

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table X gives the record of excessive precipitation at all stations from which reports are received.

Table XI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

NOTES EXPLANATORY OF THE CHARTS.

Chart I.—Tracks of centers of high areas. The roman letters show number and order of centers of high areas. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the highest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a ridge of high pressure.

Chart II.—Tracks of centers of low areas. The roman letters show number and order of centers of low areas. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the lowest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a trough or long oval area of low pressure.

Chart III.—Total precipitation. The scale of shades show-

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ing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level pressure, temperature, and resultant surface winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as formerly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

Chart VI.—Surface temperatures; maximum, minimum, and mean. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII.—The total snowfall. This is based on the reports from all available observers and shows the depth of the snowfall during the month in inches. In general, the depth is shown by lines and areas of equal snowfall, but in some cases figures are also given for special localities.

Chart IX.—Depth of snow on ground. This chart is based essentially upon reports from regular and special observers and shows the depth of snow lying on the ground at the end of the month, which is, therefore, the accumulated excess of the snowfall over its loss by melting, evaporation, and settling.

TABLE I.—Climatological data for Weather Bureau Stations, February, 1899.

Stations.	Elevation of instruments.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.		Wind.														
	Barometer above sea level, feet.	Thermometers above ground.	Mean actual, 8 a.m. and p.m. + 2°.	Mean reduced.	Departure from normal.	Mean max. and min. + 2°.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Total.	Departure from normal.	Days with .01 or more.	Total movement, miles per hour.	Prevailing direction.	Maximum velocity.	Clear days.	Cloudy days.	Average cloudiness, tenth.	Total snowfall.			
New England.																											
Eastport.	76	69	74	29.80	29.90	- .06	24.5	- 2.7	20.4	- 1.6	45	18	26	26	18	14	76	3.80	+ 0.2	w.	72	ne.	13	9	8	11	5.8 24.3
Portland, Me.	103	81	89	29.51	29.92	- .09	23.3	- 3.3	23.3	- 0.5	51	21	25	25	16	18	18	3.85	- 0.4	n.	48	n.	13	10	9	10	5.3 27.7
Northfield.	872	15	65	28.99	29.01	- .05	15.5	- 0.5	48	- 2.5	22	25	25	6	45	13	9	79	- 0.4	s.	44	n.	14	5	10	13	6.5 25.0
Boston.	125	115	181	29.84	29.98	- .08	26.8	- 1.2	54	- 2.1	21	24	25	20	23	17	70	3.03	- 0.5	n.	42	ne.	13	9	4	15	6.5 30.2
Nantucket.	14	43	54	29.97	29.98	- .10	28.6	- 2.4	47	- 2.1	21	24	24	11	23	24	84	4.53	+ 1.6	n.	52	ne.	13	9	4	15	6.6 30.1
Woods Hole.	23	51	57	29.95	29.97	- .06	26.1	- 3.6	46	- 2.7	22	25	25	10	20	19	76	4.10	+ 0.4	n.	72	nw.	14	10	7	14	6.4 22.4
Vineyard Haven.	20						29.3	- 3.0	46	- 2.7	22	25	25	9	11	24	34	1.9	- 0.6	n.	40	ne.	13	9	4	15	6.4 22.2
Block Island.	27	39	48	29.97	30.00	- .06	26.4	- 4.4	47	- 2.7	21	24	24	0	11	22	19	4.96	+ 0.6	m.	71	n.	13	9	10	13	5.6 32.2
Narragansett.	10						25.4	- 3.7	46	- 2.7	21	24	24	5	20	26	76	3.35	- 1.8	n.	.....	.....	15	1	12	32	5.6 22.1
New Haven.	107	118	140	29.90	30.02	- .06	24.6	- 4.9	46	- 2.7	21	24	24	2	11	18	27	3.39	- 0.7	m.	48	ne.	13	10	7	11	5.6 22.1
Mid. Atlan. States.							27.9	- 6.6	55	- 5.5	21	24	24	1	9	11	18	5.13	- 1.8	n.	.....	.....	15	1	12	6.1	5.9
Albany.	97	84	118	29.92	30.04	- .03	21.8	- 2.4	58	- 5.0	21	24	24	15	21	26	73	2.63	+ 0.3	s.	37	se.	24	4	10	16	7.0 27.5
Bluffington.	875	79	90	29.99	30.05	- .03	19.9	- 4.0	50	- 5.0	21	24	24	15	21	26	80	5.46	+ 1.7	s.	25	6	12	5	5.5 27.5		
New York.	314	318	346	29.98	30.04	- .07	26.9	- 4.6	50	- 5.0	21	24	24	25	21	26	80	2.63	+ 0.3	n.	64	n.	25	10	9	12	5.5 25.0
Harrisburg.	377	94	104				24.2	- 8.3	55	- 5.5	21	24	24	13	10	18	80	3.71	+ 0.9	m.	36	n.	13	8	9	11	5.9 31.5
Philadelphia.	117	168	184	29.93	30.06	- .08	24.2	- 8.3	50	- 5.5	21	24	24	24	21	26	80	6.20	+ 2.0	s.	43	se.	27	11	2	15	6.0 27.9
Atlantic City.	52	68	76	29.99	30.05	- .03	27.6	- 6.7	50	- 5.5	21	24	24	27	25	22	84	4.75	+ 0.4	m.	50	n.	13	8	10	10	5.5 33.9
Cape May.	24	52	60	30.05	30.07	- .05	28.4	- 7.5	60	- 5.5	21	24	24	25	25	26	73	5.47	+ 2.0	m.	30	n.	16	12	5	11	5.3 33.9
Baltimore.	123	68	82	29.93	30.07	- .05	27.4	- 8.4	53	- 5.5	21	24	24	15	11	19	78	6.17	+ 3.2	m.	20	n.	13	6	3	11	6.8 18.5
Washington.	112	59	76	29.96	30.09	- .03	27.4	- 8.4	53	- 5.5	21	24	24	15	11	19	78	6.75	+ 2.0	m.	48	n.	16	12	5	11	5.5 12.0
Cape Henry.	5	34					25.8	- 8.1	55	- 5.5	21	24	24	20	23	27	77	5.86	+ 1.7	m.	71	n.	13	9	11	13	5.6 14.4
Lynchburg.	685	83	88	29.81	30.00	- .03	31.4	- 8.6	65	- 5.5	21	24	24	3	11	23	33	2.7	- 0.6	m.	35	n.	14	11	11	11	5.6 22.0
Norfolk.	92	102	111	29.93	30.08	- .04	36.4	- 6.4	60	- 5.5	21	24	24	3	14	23	33	6.55	+ 1.7	m.	88	n.	13	9	11	13	5.6 22.0
Richmond.	144	98	105				33.0	- 6.4	68	- 5.5	21	24	24	3	10	25	31	4.72	+ 1.5	m.	30	w.	27	9	6	13	5.6 22.0
S. Atlantic States.							44.0	- 5.5	68	- 5.5	21	24	24	4	14	36	36	6.40	+ 2.7	m.	36	n.	23	9	5	14	5.6 6.5
Charlotte.	773	68	76	29.23	30.00	- .08	37.6	- 7.4	73	- 5.5	46	- 5	14	29	32	74	7.91	+ 3.4	m.	60	ne.	23	9	5	14	5.6 5.5	
Hatteras.	11	17	36	30.05	30.06	- .04	41.3	- 4.8	68	- 5.5	46	- 6	14	36	31	80	8.07	+ 3.6	m.	53	n.	13	10	6	12	5.6 5.5	
Kittyhawk.	9	12	30				37.9	- 8.1	68	- 5.5	46	- 6	14	36	30	80	6.72	+ 3.0	m.	.....	.....	10	10	4	11	6.1 7.1	
Raleigh.	375	93	101	29.89	30.11	- .04	37.0	- 6.9	69	- 5.5	46	- 6	14	36	30	78	7.49	+ 3.5	m.	26	n.	13	10	8	10	5.7 17.7	
Wilmington.	73	82	90	30.00	30.09	- .02	43.4	- 6.4	74	- 5.5	46	- 6	14	35	30	81	8.34	+ 0.7	m.	86	n.	13	8	9	12	5.9 5.9	
Charleston.	48	14	92	30.07	30.13	- .00	49.2	- 5.5	76	- 5.5	53	- 7	14	41	31	75	4.82	+ 4.4	m.	49	e.	16	12	5	15	5.9 11.8	
Columbia.	5						43.0	- 6.2	78	- 5.5	53	- 2	14	33	37	75	8.59	+ 4.4	m.	.....	.....	11	11	11	11	5.6 2.0	
Augusta.	180	89	103	29.89	30.00	- .02	45.2	- 5.3	76	- 5.5	54	- 3	14	36	36	76	10.03	+ 6.1	m.	511	w.	23	9	5	14	5.9 6.7	
Savannah.	82	63	89	30.01	30.10	- .04	51.0	- 3.3	81	- 5	65	- 10	13	46	34	80	6.66	+ 0.2	m.	312	n.	23	9	6	16	5.6 2.0	
Jacksonville.	43	69	84	30.05	30.10	- .01	55.4	- 3.1	81	- 5	60	- 10	13	46	34	80	3.38	+ 0.2	m.	40	s.	23	9	11	10	5.6 2.0	
Florida Peninsula.							65.9	- 1.2	81	- 5	65	- 10	13	46	34	80	4.60	+ 2.3	m.	.....	.....	11	11	10	10	4.8 2.0	
Jupiter.	28	13	30	30.05	30.08	- .01	66.8	- 0.8	83	- 5	65	- 10	13	46	34	80	4.61	+ 2.1	m.	81	s.	23	9	10	10	4.9 4.4	
Key West.	22	43	50	30.06	30.08	- .01	70.2	- 1.2	81	- 5	65	- 10	13	46	34	80	2.89	+ 1.3	m.	1003	se.	23	9	9	9	5.2 0.1	
Tampa.	36	60	67	30.05	30.09	- .01	45.2	- 9.3	80	- 5	65	- 10	13	46	34	80	6.27	+ 3.5	m.	196	n.	23	9	9	9	5.2 0.1	
East Gulf States.							51.8	- 7.8	81	- 5	61	- 10	13	46	34	80	3.27	+ 0.4	m.	.....	.....	11	11	11	11	5.6 0.1	
Atlanta.	1,181	92	126	29.88	30.12	- .03	89.5	- 8.5	74	- 7.8	57	- 8	13	31	31	78	6.62	+ 1.7	m.	708	nw.	24	10	5	15	6.2 6.5	
Pensacola.	56	78	90	30.04	30.10	- .02	49.0	- 7.8	74	- 7.8	57	- 7	13	31	31	78	3.86	+ 0.4	m.	732	n.	23	10	4	14	5.8 2.1	
Mobile.	57	88	90	30.04	30.10	- .01	45.8	- 9.0	76	- 8.0	54	- 1	13	37	35	80	3.72	+ 2.2	m.	38	n.	23	10	4	14	5.8 2.1	
Montgomery.	221	100	112	29.86	30.10	- .03	44.7	- 8.0	76	- 8.0	54	- 1	13	37	35	80	6.09	+ 0.8	m.	815	n.	23	10	4	14	6.0 3.0	
Meridian.	375	84	94				40.5	- 13.1	76	- 9.8	50	- 6	13	31	35	80	3.97	+ 1.9	m.	105	nw.	23	9	9	17	6.0 5.8	
Vicksburg.	247	65	78	29.81	30.08	- .04	40.8	- 11.8	73	- 9.8	50	- 7	13	32	36	80	2.01	+ 0.2	m.	572	n.	23	9	9	17	6.0 3.0	
New Orleans.	54	112	120	30.03	30.09	- .01	49.4	- 8.4	78	- 9.8	50	- 8	13	32	36	80	4.08	+ 0.2	m.	872	n.	23	9	9	17	6.0 3.0	
Port Eads.	27						51.8	- 7.8	75	- 8.5	61	- 10	13	32	36	80	3.27	+ 0.9	m.	.....	.....	11	11	11	11	5.6 0.1	
Shreveport.	249	77	84	29.84	30.11	- .01	39.8	- 11.4	7																		

TABLE I.—Olimatological data for Weather Bureau Stations, February, 1899—Continued.

Stations.	Elevation of instruments		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Mean wet thermometer:		Precipitation, in inches.		Wind.		Cloudy days.		Average cloudiness, tenths.		Total snowfall.								
	Barometer above sea level, feet.	Thermometers above ground.	Mean actual, 8 a.m. and 8 p.m. +2.	Mean reduced.	Departure from normal.	Mean max. and min. +2.	Departure from normal.	Mean maximum.	Date.	Mean minimum.	Date.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Miles per hour.	Maximum velocity.	Date.	Clear days.	Partly cloudy days.	Total snowfall.						
	Anemometer above ground.		Mean actual, 8 a.m. and 8 p.m. +2.	Mean reduced.	Departure from normal.	Maximum.	Minimum.	Mean maximum.	Date.	Mean minimum.	Date.	Greatest daily range.	Mean wet thermometer:	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Direction.	Direction.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.								
<i>Up. Miss. Val.—Con.</i>																													
St. Paul.....	887	114	134	29.11	30.10	-.03	7.6	-.8.2	50	19	15	-.33	0	.28	6	2	79	nw.	29	nw.	26	12	8	4.7	9.3				
La Crosse.....	720	20	73	29.40	30.10	+.00	9.4	-.10.7	48	21	18	-.32	0	.28	1.20	+.0.1	7	4,345	sw.	26	6	18	9	5.9	14.3				
Davenport.....	529	71	73	29.40	30.10	+.00	16.4	-.8.9	53	16	25	-.23	0	.29	1.91	+.0.8	9	5,404	nw.	30	nw.	26	6	6	6.3	5.3			
Des Moines.....	867	84	85	29.15	30.18	+.04	15.6	-.7.5	54	19	26	-.24	0	.29	1.57	-.0.7	4	5,986	nw.	29	nw.	23	9	13	6	5.0			
Dubuque.....	638	101	109	29.29	30.11	+.02	13.8	-.8.8	51	20	22	-.26	0	.29	1.11	-.8	83	0.67	0.8	6	5,483	nw.	30	nw.	23	14	8	4.2	6.1
Keokuk.....	614	67	73	29.43	30.14	+.04	19.8	-.8.7	60	20	24	-.24	0	.29	1.18	-.10	82	1.65	0.1	6	6,201	nw.	35	nw.	26	8	10	7	4.2
Cairo.....	359	87	93	29.73	30.15	+.05	27.0	-.12.4	68	20	25	-.14	0	.29	2.33	-.17	70	2.51	1.4	9	7,473	sw.	38	sw.	26	7	14	6.2	6.1
Springfield, Ill.....	644	82	93	29.38	30.13	+.01	19.0	-.11.8	56	20	26	-.21	0	.29	1.2	-.24	74	2.52	0.9	7	7,171	uw.	30	sw.	26	7	7	14	0.0
Hannibal.....	534	75	107	29.40	30.13	+.03	16.6	-.10.9	59	20	23	-.16	0	.29	1.11	-.23	72	2.05	+.4	10	7,086	sw.	32	sw.	26	7	9	4.8	4.6
St. Louis.....	567	111	210	29.48	30.14	+.03	24.1	-.11.0	66	20	22	-.16	0	.29	1.16	-.26	74	3.40	+.6	8	7,793	w.	41	w.	23	18	5	5.1	6.4
<i>Missouri Valley.</i>																													
Columbia.....	.....	4	84	29.07	30.18	+.06	19.8	-.13.0	59	20	20	-.26	0	.29	2.19	-.0.4	9	6,439	nw.	30	w.	23	7	13	8	5.8		
Kansas City.....	963	78	95	29.07	30.18	+.06	19.4	-.11.6	63	19	22	-.22	0	.29	1.54	-.0.8	9	6,377	nw.	32	nw.	23	11	8	5.0	4.6			
Springfield, Mo.....	1,324	100	108	28.64	30.13	+.03	23.0	-.11.7	66	20	22	-.22	0	.29	1.13	-.24	75	5,181	sw.	39	se.	25	14	6	8	4.9			
Topeka.....	81																		n.										
Lincoln.....	1,199	74	84	28.80	30.19	+.04	14.0	-.9.4	64	19	25	-.26	0	.29	1.32	-.0.4	10	5,792	n.	42	n.	22	15	9	4.1	6.6			
Omaha.....	1,103	92	97	28.91	30.18	+.04	14.7	-.10.3	63	19	25	-.26	0	.29	1.71	-.1	6	5,206	nw.	28	se.	24	9	13	6	4.8			
Sioux City.....	1,139	96	164	28.83	30.22	+.05	11.0	-.8.0	61	19	20	-.31	0	.29	0.52	-.0.1	4	8,923	nw.	48	nw.	22	8	12	8	5.3			
Pierre.....	1,572	50	63	28.39	30.22	+.05	7.2	-.8.2	61	19	17	-.39	0	.29	0.58	+.0.2	10	7,672	nw.	53	n.	40	11	11	9	5.5			
Huron.....	1,306	58	67	28.65	30.19	+.02	6.5	-.5.5	60	19	18	-.37	0	.29	0.33	-.0.2	8	8,372	nw.	33	n.	27	14	11	9	4.0			
Yankton.....	1,284	52	56	28.52	30.19	+.02	10.8	-.8.4	65	19	22	-.30	0	.29	0.36	-.0.1	6	7,043	nw.	33	n.	15	8	14	6	5.2			
<i>Northern Slope.</i>																													
Havre.....	2,491	46	47	27.34	30.20	+.04	2.5	-.10.7	50	18	11	-.43	0	.29	0.70	+.0.1	15	8,071	sw.	52	sw.	15	5	13	10	6.2			
Miles City.....	2,372	41	49	27.50	30.23	+.07	4.2	-.12.0	49	19	14	-.49	0	.29	0.86	-.0.2	10	4,740	w.	36	nw.	21	6	14	8	5.8			
Helena.....	4,108	88	93	25.78	30.28	+.03	13.9	-.11.9	51	19	20	-.30	0	.29	0.53	-.0.3	6	5,983	sw.	44	nw.	22	14	8	6.1	8.0			
Rapid City.....	3,251	46	50	26.55	30.18	+.03	9.3	-.11.3	56	19	20	-.34	0	.29	0.41	-.0.2	10	5,102	nw.	53	n.	34	11	11	9	5.2			
Cheyenne.....	6,084	58	60	23.79	30.28	+.13	12.4	-.14.9	47	19	24	-.24	0	.29	1.63	+.1.2	10	8,843	nw.	53	n.	34	15	16	8	6.2			
Lander.....	5,372	38	38	24.48	30.23	+.08	12.2	-.12.6	55	19	24	-.35	0	.29	0.57	-.0.6	5	5,598	nw.	38	n.	27	14	11	6	5.2			
North Platte.....	2,826	43	52	27.05	30.23	+.09	18.1	-.12.2	60	19	25	-.35	0	.29	0.76	-.0.1	15	6,345	nw.	34	n.	22	15	8	5	4.6			
<i>Middle Slope.</i>																													
Denver.....	5,290	79	151	24.56	30.24	+.10	17.6	-.14.6	56	19	31	-.32	0	.29	0.58	-.1.1	1	5,989	ne.	42	nw.	19	14	7	4.4	9.1			
Pueblo.....	4,682	74	81	25.18	30.16	+.03	18.6	-.11.5	50	20	22	-.27	0	.29	0.42	-.0.0	7	4,238	se.	46	n.	22	14	8	5.4	4.9			
Concordia.....	1,398	42	47	28.60	30.21	+.06	16.8	-.11.4	53	19	27	-.25	0	.29	0.91	-.0.0	8	5,046	s.	25	nw.	22	14	8	4.2	2.5			
Dodge.....	2,504	44	52	27.39	30.18	+.03	20.0	-.11.8	67	19	32	-.26	0	.29	0.80	-.0.4	7	7,080	nw.	39	n.	24	11	11	7	4.4			
Wichita.....	1,351	78	95	28.65	30.18	+.09	21.2	-.10.6	67	19	31	-.22	0	.29	0.73	-.1.1	10	6,415	n.	43	n.	22	18	1	9	3.8			
Oklahoma.....	1,218	58	62	28.77	30.15	+.07	27.4	-.12.7	70	20	30	-.17	0	.29	0.48	-.1.6	3	7,519	n.	43	n.	22	15	8	5	4.4			
<i>Southern Slope.</i>																													
Abilene.....	1,749	45	54	28.20	30.12	+.03	36.7	-.9.2	73	20	50	-.06	0	.29	0.01	-.1.4	1	7,536	sw.	46	nw.	25	10	11	7	4.5			
Amarillo.....	8,891	54	61	26.17	30.13	+.04	27.0	-.8.6	65	21	46	-.16	0	.29	0.07	-.1.2	3	10,237	n.	50	n.	22	18	5	3.3	0.7			
<i>Southern Plateau.</i>																													
El Paso.....	3,767	10	110	26.11	30.01	+.01	1.3	-.1.3	68	21	42	-.21	0	.29	1.63	-.1.1	1	10,468	nw.	58	n.	25	22	4	2.0	T.			
Santa Fe.....	6,938	47	50	28.00	30.04	+.03	28.2	-.8.8	53	21	42	-.21	0	.29	0.18	-.0.4	1	10,468	n.	58	n.	25	22	4	2.0	T.			
Flagstaff.....	6,885	12	25	23.94	30.12	+.03	32.8	-.8.6	53	21	42	-.21	0	.29	0.28	-.0.6	2	3,259	e.	26	w.	24	17	3	3.1	2.8			
Phenix.....	1,076	47	57	28.88	29.98	-.07	35.0	-.1.3	75	21	42	-.21	0	.29	0.10	-.0.5	1	5,107	ne.	48	w.	24	23	5	0	0.9			
Independence.....	8,907	10	58	25.99	29.99	-.09	46.5	-.3.7	75	19	59	-.11	0	.29	1.18	-.0.6	0	7,378	nw.	54	n.	1	25	2	1	2.2			
<i>Middle Plateau.</i>																													
Carson City.....	4,720	92	92	25.31	30.17	+.07	37.6	-.1.8	68	19	51	-.14	0	.29	0.26	-.1.3	4	4,801	n.	58	n.	25	19	9	5.8	3.5			
Winnebucca.....	4,340	80	80	25.67	30.17	+.04	29.0	-.8.3	58	19	43	-.10	0	.29	0.29	-.0.6	8	7,661	sw.	51	n.	27	10	8	10	6.0			
Salt Lake City.....	4,344	80	90	25.63	30.19	+.01	29.6	-.8.3	51	19																			

TABLE II.—*Climatological record of voluntary and other cooperating observers, February, 1899.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>						<i>Arizona—Cont'd.</i>						<i>California—Cont'd.</i>					
Alco.	80	— 3	46.8	4.20	3.0	San Simon*1	72	10	48.9	0.80	3.0	Corning*1	80	— 3	45.9	0.00	<i>Ins.</i>
Ashville.	72	— 12	37.2	6.27	5.0	Sentinel	88	27	54.8	0.00		Coronado	75	42	56.2		
Bermuda.	77	— 4	40.8	4.69	8.9	Signal	84	18	51.8	0.07		Craftonville	86	27	58.8	0.72	
Birmingham.	74	— 10	40.0	4.48	.....	Snowflake	64	— 8	34.6	0.11	1.7	Crescent City	58	23	44.0	10.95	4.0
Bridgeport.	.....					Strawberry	61	— 3	31.8	1.45	11.0	Crescent City L. H.	.....			
Citronelle.	75	— 2	46.6	4.59	5.0	Texas Hill*1	86	22	56.4	T.		Cuyamaca	62	— 4	37.1	1.58	16.5
Cianton.	73	— 9	41.6	9.39	.....	Tombstone	71	14	46.7	0.40		Delta*1	78	23	47.7	T.	
Daphne.	74	0	48.6	1.53	0.8	Tuba	70	0	40.4	0.02		Drytown	81	24	58.2	0.25	
Decatur.	72	— 12	35.3	6.64	2.0	Tucson	79	17	49.2	0.89	1.2	Duarte	75	29	50.4	0.00	
Demopolis.	.....					Vall*5	76	19	53.0	1.13	6.0	Dunnigan*1	77	28	52.8	T.	
Elba.	76	— 7	47.7	7.97	T.	Walnut Grove	.....					Durham*1	83	24	50.6	0.00	
Eufaula*2	79	— 4	44.8	6.29	3.0	White Hills	75	3	49.4	0.00		East Brother L. H.	.....				0.15
Eufaula*3	.....					Willcox*1	80	16	44.7	0.80		Edmonton*1	68	3	36.4	8.01	21.0
Evergreen.	76	0	41.8	8.60	7.5	Williams	60	— 18	30.9	2.10	21.0	El Cajon	84	25	52.5	0.55	
Florence*4	.....					Winslow	70	0	37.3	0.30	3.0	Elsinore	86	22	58.2	0.48	
Florence*5	78	— 11	38.9	6.18	5.0	Yarnell	.....					Escondido	79	20	48.1	1.13	
Fort Deposit.	76	— 6	42.6	5.00	6.0	<i>Arkansas.</i>	69	— 12	38.3	1.28	2.5	Folsom City*1	81	25	50.6	0.07	
Gadsden.	74	— 13	37.3	6.23	3.6	Amity	69	— 12	38.3	2.95	3.5	Fordyce Dam	.....				3.68
Greensboro.	75	— 5	39.4	6.17	4.5	Arkansas City	70	— 16	31.6	1.80	3.0	Fort Bragg	.....				39.0
Hamilton.	73	— 16	35.3	8.78	5.5	Beebranch	70	— 15	37.0	2.30	3.5	Fort Ross	72	29	48.6	0.85	T.
Healing Springs.	80	— 7	41.5	4.91	3.3	Blanchard Springs	75	— 15	37.0	4.15		Fort Tejon	.....				0.50
Highland Home.	74	— 4	44.7	4.98	5.5	Brinkley	67	— 12	32.0	8.0		Georgetown	72	18	44.2	0.61	5.0
Jasper.	.....					Camden*4	70	— 10	34.1	1.85	5.2	Gilroy Hot Springs	.....				0.21
Lock No. 4.	72	— 9	37.0	7.21	2.7	Camden*5	70	— 10	34.1	2.47		Glendora	.....				0.10
Maplegrove.	74	— 9	37.0	7.10	4.0	Canton*1	71	— 23	27.3	.....		Goshen*4	75	20	54.4	0.25	
Marion.	73	— 1	41.4	8.95	4.0	Conway	75	— 15	34.1	2.45		Grand Island*6	81	28	52.8	0.00	
Mount Willing.	67	— 5	41.9	7.58	.....	Dallas	68	— 15	38.0	1.34	1.2	Grass Valley	68	9	35.4	0.59	9.0
Newbern.	76	— 8	38.8	6.91	7.5	Dardanelle	.....					Hollister	80	20	50.0	0.25	
Newburg.	72	— 9	38.6	5.87	5.9	Elon	73	— 14	36.4	3.22		Humboldt L. H.	.....				3.59
Newton.	76	— 5	45.2	8.40	5.0	Fayetteville	68	— 24	26.3	0.98	1.5	Hydesville	66	20	47.2	4.20	4.0
Oneonta.	71	— 15	36.0	7.19	4.0	Fulton	71	— 23	27.3	.....		Indio*1	87	30	62.2	0.00	
Opelika.	70	— 7	40.0	6.42	4.5	Hardy	70	— 19	26.0	2.65	4.2	Iowa Hill*1	72	23	46.7	0.88	2.0
Oxanna.	70	— 10	40.8	6.42	4.0	Helena*4	71	— 25	27.0	2.50	5.1	Irvine	92	32	58.8	0.65	
Pineapple.	78	— 4	38.8	2.47	4.2	Lacrosse	60	— 20	24.5	.....		Jackson	70	20	47.2	0.57	1.8
Pushmataha.	— 7					Lonoke	66	— 11	33.2	2.04	1.8	Jolon	.....				0.18
Riverton.	75	— 8	30.1*	6.98	3.0	Luna Landing*6	70*	— 6	35.0	3.45		Keene*1	65	28	41.9	1.17	4.0
Rockmills.	74	— 10	43.0	7.10	4.0	Malvern	69	— 10	35.2	1.98		Kennedy Gold Mine	70	18	44.7		
Scottsboro.	69	— 13	34.6	5.79	2.0	Marianna*1	67	— 10	34.6	.....		Kernville	.....				0.40
Selma.	77	— 5	41.2	5.41	3.2	Marvell	67	— 10	33.8	3.23	2.2	King City*1	78	26	45.8	0.18	
Sturdevant.	.....					Moore	.....					Kingsburg*6	75	23	48.6	0.20	
Talladega.	75	— 10	41.4	6.20	4.0	Mossville	65	— 22	27.2	2.61	5.6	Kono Tayee	71	25	48.8	T.	
Tallassee.	.....					Mount Nebo	67	— 20	29.5	2.30	6.0	Lagrange*6	76	26	51.4	0.95	
Thomasville.	70	— 5	40.0	2.71	5.7	New Gascony	70	— 10	33.1	3.58	2.5	Lakeside	.....				0.73
Tuscaloosa.	74	— 7	37.0	8.96	3.5	Newport*2	.....					Lamesa	.....				0.59
Union.	75	— 9	42.8	4.25	5.5	Newport*3	64	— 14	29.9	1.89	4.0	Laporte*1	61	4	34.4	2.69	26.9
Union Springs.	75	— 6	43.0	6.05	6.0	Newport*4	71	— 19	31.2	1.96	2.3	Las Fuentes Ranch	.....				0.00
Uniontown.	75	— 6	38.2	8.58	2.0	Newport*5	70	— 24	32.7	2.18		Lemoncove	80	23	53.7		
Valleyhead.	70	— 17	35.8	7.91	3.0	Osceola	68	— 16	30.0	4.45	13.5	Lemoore*1	73	16	48.8	0.26	
Warrior.	.....					Ozark	71	— 15	32.8	2.18		Lick Observatory	61	13	41.0	0.75	4.0
Wetumpka.	75	— 7	41.7	6.15	3.0	Picayune	73	— 10	37.4	1.04		Lime Point L. H.	83	25	50.4	0.16	
Wilson*1.	79	— 3	47.1	5.31	6.1	Pinebluff	70	— 5	37.0	2.86	2.0	Lodi	.....				0.44
Wilsonville.	.....					Pocahontas	67	— 22	27.1	1.79		Los Alamos	70	29	50.1	0.44	
<i>Arizona.</i>						Pond	69	— 24	27.5	1.40		Los Gatos*5	78	14	46.2	1.01	5.5
Allaire Ranch.	.....					Powell	.....					Makaloff Mine	85	29	60.0	0.00	
Arizona Canal Co. Dam.	80	25	52.8	0.24	2.5	Roswell	71	— 11	31.2	1.22		Mammoth Tank*1	85	29	60.0	0.00	
Aztec*1.	87	24	53.1	0.00		Silver Springs	72	— 24	28.2	1.46		Manzana	73	24	48.4	T.	
Benson.	69	17	46.5	0.05	0.5	Spleiererville	74	— 17	31.4	1.24		Mare Island L. H.	.....				0.28
Blaibell*5.	87	28	61.4	0.00		Stamps	69	— 8	35.6	2.53	8.0	Mercer*1	76	26	50.6	0.15	
Bowie.	.....					Stuttgart	71	— 10	33.0	3.10	1.6	Miles College	.....				0.15
Buckeye.	85	18	58.4	0.00		Texarkan	76	— 6	30.0	0.63	3.5	Milton (near)*1	73	25	49.4	0.24	1.5
Calabasas.	72	10	43.2	0.98	3.0	Warren	76	— 10	33.2	2.88	8.5	Modesto*1	92	28	54.8	0.21	
Champie Camp.	86	22	55.0	0.30		Washington	69	— 10	35.0	1.92	1.4	Mohave*1	72	18	48.3	0.00	
Cochise*1.	57	15	39.2	0.21	2.0	Wiggs*1	69	— 13	37.1	1.27	0.8	Mokelumne Hill*3	72	23	44.8	0.70	
Congress.	72	20	50.9	0.20	T.	Witts Springs	66	— 24	23.8	1.94	7.0	Monterey*1	72	29	53.2	0.68	
Dragoon.	.....					<i>California.</i>	.....					Mountain View	.....				0.28
Dragoon Summit.	.....					Agnew	74	28	49.1	0.37		Mount Frazier	.....				0.40
Dudleyville.	78	18	48.2	0.57	0.5	Anada	70	2	38.4	2.29	5.0	Mutah Flat	.....				T.
Fort Apache.	65	— 15	38.2	1.04	10.5	Arlington Heights	86	28	53.4	0.89		Napa b.	86	25	52.1	T.	
Fort Defiance.	52	— 24	21.5	2.20	22.0	Asiza	.....					Needles	79	28	57.4	T.	
Fort Grant.	84	14	48.4	0.35	1.0	Berkeley	80	30	50.8	0.22		Nevada City	72	14	42.4	0.49	2.5
Fort Huachuca.	70	14	44.0	0.43		Bishop	76	5	47.2	0.00		Newhall*1	85	22	50.5	0.00	
Fort Mohave.	29	27	55.6	0.04		Blue Lakes City	83	26	52.1	0.72		North Ontario	80	22	50.8	0.68	
Gilabell*1.	78	24	52.3	0.20		Boca*1	58	— 30	26.6	.....		North San Juan*1	84	16	47.3	0.85	3.5
Holbrook.	66	— 6	34.4	0.17	1.5	Bodie	47	— 20	24.8	0.14	2.0	Oakland a.	82	31	50.7	0.07	
Hot Springs.	77	23	52.0	0.20	T.	Bowmans Dam*1	68	8	36.4	2.54	27.0	Oleata*1	80	40	53.9	0.00	1.5
Ingleside.	80	22	52.4	0.15		Callente*1	70	27	51.8</td								

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>California—Cont'd.</i>																				
Point Loma L. H.	0	0	0	In.	In.		Colorado—Cont'd.	0	0	0	In.	In.		Florida—Cont'd.	0	0	0	In.	In.	
Point Montara L. H.	.....	.....	.....	0.08	.....		Hoehne	60	-18	23.6	0.11	1.5		Inverness	83	14	56.1	6.65	6.65
Point Pinos L. H.	.....	.....	.....	0.10	.....		Holly	.....	.....	.....	0.38	6.0		Jasper	83	5	54.7	3.11	2.0
Point Sur L. H.	.....	.....	.....	0.56	.....		Holyoke	.....	.....	.....	0.88	8.4		Kisimme	83	20	60.2	11.53	
Pomona (near)	84	23	53.2	0.04	.....		Holyoke (near)	54	-36	12.4	0.20	4.0		Lake Butler	83	6	56.3	3.81	0.2
Poway* ³	87	26	47.6	0.61	10.8	T.	Hugo	57	-33	17.8	0.60	7.2		Lake City	83	6	55.4	3.42	8.0	
Quincy	61	-4	34.3	0.83	10.8	T.	Husted	44	-24	15.4	0.62	10.8		Lakemont	83	24	.....	3.78	
Ranch House	83	35	54.9	0.26	.....		Lake Moraine	65	-30	19.6	1.01	16.0		Lemon City	85	29	68.7	2.77	
Redding b	79	23	50.2	1.04	.....		Lamar	.....	.....	.....	1.08	16.5		Liveoak	83	5	50.8	3.01	
Redlands	97	28	54.6	0.71	.....		Laporte	60	-81	17.0	1.06	10.0		Maccleeny	84	8	54.8	3.89	1.0
Repreesa	76	20	49.4	0.04	.....		Las Animas	34	-15	16.1	4.00	60.8		Merritts Island	83	24	62.6	6.92	
Rio Vista	83	25	53.0	0.00	.....		Leadville (near)* ¹	49	-28	13.0	0.33	5.5		Myers	85	28	64.9	8.77	T.
Roe Island L. H.	.....	.....	.....	0.10	.....		Leroy	43	-31	16.0	1.15	16.2		New Smyrna	84	16	58.7	9.10	T.
Rosewood	78	15	45.6	0.30	.....		Longs Peak	59	-17	26.3	1.78	24.0		Ocala	86	12	58.8	5.20	
Sacramento	81	24	51.3	0.06	.....		Loveland	.....	.....	.....	0.04	14.0		Orange City	86	16	60.1	9.00	T.
Salinas ¹	75	31	52.4	0.50	.....		Mancos	48	-26	24.6	0.68	10.0		Orlando	85	20	61.3	8.71	
Salton* ¹	90	29	57.7	0.00	.....		Meeker	.....	37	.....	1.94	21.5		Plant City	86	20	62.8	8.87	
San Bernardino	84	25	53.4	0.51	.....		Minneapolis	68	-26	20.2	0.18	2.8		St. Andrews	77	4	50.4	5.09	T.
San Jacinto	82	19	50.6	0.60	.....		Moraine	39	-32	16.1	2.32	33.2		St. Francis	86	15	59.7	8.77	
San Leandro* ¹	90	33	54.3	0.20	.....		Pagoda	48	-39	19.1	4.95	52.0		St. Francis Barracks	83	18	55.4	7.45	
San Luis L. H.	.....	.....	.....	0.89	.....		Parachute	59	-17	26.3	1.78	24.0		Sebastian	83	25	64.0	4.70	
San Mateo* ¹	87	32	49.0	0.37	.....		Perry Park	.....	.....	.....	0.88	5.6		Switzerland* ¹	81	12	55.2	4.53	
San Miguel	78	19	47.9	0.26	.....		Rangely	52	-30	20.4	0.73	9.8		Tallahassee	78	-2	52.6	4.92	1.0
San Miguel Island	78	38	53.2	0.35	.....		Rockyford	60	-32	16.7	0.55	6.5		Tarpon Springs	84	20	60.5	9.79	
Santa Barbara a	81	29	54.2	0.00	.....		Ruby	.....	.....	.....	5.04	69.0		Wauau	80	2	50.6	4.18	T.
Santa Barbara L. H.	.....	.....	.....	0.00	.....		Saguache	43	-10	16.8	0.69	10.0		<i>Georgia.</i>					
Santa Clara a	.....	.....	.....	0.27	.....		Salida	56	-20	26.4	0.15	2.0		Adeirsville	86	-8	35.3	7.88	1.8
Santa Cruz b	82	26	50.4	0.45	.....		San Luis	43	-25	20.5	0.37	3.7		Albany	75	-2	47.6	7.38	2.0
Santa Cruz L. H.	.....	.....	.....	0.42	.....		Santa Clara* ¹	52	-15	23.7	1.04	17.8		Allentown	80	-3	48.2	9.32	
Santa Maria	84	20	54.9	0.46	.....		Seguro	.....	.....	.....	0.35	6.0		Americus	86	-6	48.4	6.05	4.1
Santa Monica* ¹	75	34	51.6	0.05	.....		Seibert	.....	.....	.....	0.70	7.5		Athens b	79	1	46.9	8.90	3.0
Santa Paula* ¹	86	26	58.0	0.00	.....		Smoky Hill Mine	49	-26	16.0	1.22	17.0		Bellville	79	-3	37.5	10.10	3.5
Santa Rosa* ¹	80	19	52.2	0.00	.....		Springfield	50	-18	16.0	1.05	16.5		Blakely	79	-1	50.2	5.91	
Shasta	80	20	50.4	1.20	.....		Stamford* ¹	.....	.....	.....	1.00	19.0		Canton	76	-6	47.5	7.67	
Sierra Madre	78	28	53.6	0.12	.....		Strickler Tunnel	.....	.....	.....	0.23	4.0		Cartersville	72	-6	38.4	7.25	
Sneddens Ranch	.....	.....	.....	0.00	.....		Trinidad	.....	.....	.....	0.23	4.0		Cedartown	74	-10	38.8	6.23	
Sonoma	.....	.....	.....	0.28	.....		T. S. Ranch	56	-11	28.2	0.52	6.5		Clayton	70	-3	37.5	10.10	3.5
S. E. Farallone L. H.	.....	.....	.....	0.84	.....		Villas	46	-22	15.8	0.40	8.0		Columbus	78	-3	49.1		
Stanford University	80	20	48.9	0.25	.....		Wagon Wheel	40	-39	13.4	1.74	27.0		Covington	70	-10	39.6	8.98	
Stockton a	79	24	50.4	0.18	.....		Walden	52	-13	20.4	0.69	10.5		Crescent	76	5	46.9	4.56	
Summerdale	62	5	37.2	1.24	14.0	T.	Westcliffe	48	-32	20.4	0.69	10.5		Dahlonega	71	-11	37.1	8.96		
Susanville	59	-1	36.2	0.31	2.0		Wray	62	-32	15.1	0.07	1.5		Diamond	68	-12	34.4	10.82	9.0	
Tehama*	82	29	52.8	0.00	.....		Yuma	.....	.....	.....	0.60	9.0		Dublin	78	-2	41.1	8.88	8.5
Tejon Ranch	79	29	52.4	0.31		<i>Connecticut.</i>	Bridgeport	54	-9	25.0	5.17	31.8		Fitzgerald	80	-1	50.7	5.20	0.5
Templeton* ¹	75	25	46.6	0.47	.....		Canton	52	-10	21.4	4.17	23.0		Fleming	81	5	51.0	5.83	1.0
Thermalito	83	24	50.8	0.00	.....		Colchester	56	-7	24.6	4.63	27.2		Fort Gaines	79	-	57.8	7.08	3.5
Trinidad L. H.	.....	.....	.....	4.90	.....		Falls Village	.....	.....	.....	4.69	39.0		Franklin	71	-5	44.4	6.84	
Truckee* ¹	60	-21	39.0	2.70	27.0		Greenfield Hill	52	-6	24.3	5.29	32.3		Gainesville	69	-6	37.4	8.17	5.0	
Tulare b	84	18	51.1	0.14	.....		Hartford a	52	-16	23.5	5.82	32.0		Gillsville	70	-5	40.6	8.87	
Tulare c	84	20	47.0	0.43	.....		Hartford b	52	-9	23.4	5.46	33.0		Greenbush	69	-10	35.4	8.94	2.0
Ukiah	82	20	48.2	0.25	0.4	T.	Hawleyville	56	-9	23.4	5.46	33.0		Gundee	80	-2	46.0	6.35	5.0	
Upperlake	83	19	48.2	0.25	0.4		Lake Konomoc	52	-11	23.0	4.94	32.5		Harrison	80	-2	46.0	6.35	5.0	
Upper Mattole	81	26	49.3	4.24	5.0		Middletown	55	-18	23.9	6.08	32.5		Hawkinsville	81	-3	44.6	7.20	2.0	
Vacaville a ¹	82	27	55.1	0.20	.....		New London	53	-10	23.3	6.91	35.2		Hephzibah ⁶	76	8	47.8	7.80	6.0
Ventura	88	22	50.2	0.00	.....		North Grosvenor Dale	58	-16	23.5	5.54	32.5		Jesup	81	1	52.0	6.98	3.0
Visalia ¹	76	21	46.2	0.41	.....		Norwalk	54	-16	23.2	4.65	23.0		Lagrange	73	-10	42.8	5.69	0.0
Volcano Springs ¹	89	21	57.9	0.00	.....		Pomfret	49	-6	23.7	8.17	18.5		Lumpkin	76	-5	46.6	8.10	3.5
Walnut Creek	83	28	52.1	0.21	.....		Southington	52	-13	23.2	8.78	19.2		Marietta	71	-3	48.8	8.18	2.6
West Palmdale* ¹	76	12	45.8	0.31	3.0		South Manchester	52	-13	23.3	8.37	19.0		Marshallville	78	-3	47.9	6.50	4.0	
Westpoint	.....	.....	.....	0.78	6.0		Storrs	51	-10	21.9	3.67	22.5		Mauzy	82	1	52.3	7.25	1.1
West Saticoy	.....	.....	.....	0.00	.....		Voluntown	55	-14	24.5	4.60	24.0		Miller	80	2	47.6	5.84	7.5
Wheatland	79	24	48.7	0.10	.....		Wallingford	55	-10	28.2	6.90	35.0		Mount Vernon	78	-1	47.4	8.20	2.0
Williams ¹	82	30	52.4	0.00	.....		Waterbury	55	-12	23.6	4.58	29.0		Newnan	78	-	53.6	7.08	3.7
Wilmingtton ¹	80	27	59.0	0.11	.....		West Cornwall	49	-12	20.4	4.13	37.5		Pelham	79	-	48.6	8.26	0.6
Wire Bridge ⁵	80	22	47.8	0.20	.....		West Simsbury	64	-14	26.8	6.16	36.2		Piscataqua	80	3	53.6	4.35	3.0
Yerba Buena L. H.	.....	.....	.....	0.05	.....		Winsted ¹	48	-8	21.7	.....	.....		Point Peter	72	-4	38.6	8.19	5.0
Yreka	61	-2	37.2	1.95	.....		Archer	86	10	57.8	3.82	1.5		Poulan	79	-1			

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Idaho—Cont'd.</i>																	
Minidoka	o	o	o	Ina.	Ina.	Tiskilwa	o	o	o	Ina.	Ina.	Clinton	o	o	o	Ina.	Ina.
Moscow	49	-23	24.2	1.15	11.5	Tuscola	52	-24	16.4	1.81	3.3	College Springs	57	-26	15.1	1.45	4.6
Murray	49	-17	25.4	2.35	28.5	Walnut	60	-21	19.6	1.74	2.5	Corning	62	-27	13.4	0.44	5.8
Oakley	41	-22	20.9	3.81	47.0	Wheaton,* ²	54	-23	18.0	1.57	1.3	Council Bluffs	62	-24	15.0	0.89	7.0
Ola	51	-17	29.0	0.25	1.0	Winchester	53	-22	15.8	1.78	5.5	Cresco	46	-33	6.0	0.98	9.8
Paris	52	-26	25.5	2.99	16.2	Winnebago	53	-23	19.4	2.34	5.5	Decorah	48	-34	7.6	1.43	18.0
Payette	50	-35	19.4	0.93	11.2	<i>Indiana.</i>	53	-25	15.2	1.49	6.0	Delaware,* ³	52	-28	11.8	1.11	10.5
Pollock	56	-15	28.6	1.27	10.0	Anderson	62	-19	21.6	1.95	3.8	Denison	53	-31	10.0	0.40	4.0
St. Maries	48	-12	30.4	1.18	8.5	Angola	58	-20	18.8	3.17	8.1	Desoto	57	-35	14.8	0.44	4.2
Soldier	42	-36	19.0	0.82	14.5	Auburn	61	-19	20.2	2.01	T.	Dows	52	-36	9.8	0.58	4.0
Swan Valley	51	-40	18.8	1.49	16.1	Bedford	67	-18	25.4			Eldon	58	-24	14.6	0.78	1.8
Weston	46	-22	24.6	1.38	15.0	Bloomington	61	-20	23.8	4.10	18.0	Eldora	55	-30	10.4	1.00	10.0
<i>Illinois.</i>						Bluffton	61	-19	21.6	1.99	0.8	Elkader	52	-28	10.7	1.25	12.8
Alion	62	-21	23.4	2.89	11.0	Booneville	60	-20	20.2	1.76	7.5	Estherville	42	-38	2.6	1.36	10.6
Alexander	62	-27	20.4	2.19	3.5	Bright	62	-21	22.2	2.13	9.0	Fairfield	63	-24	17.0	1.08	....
Ashton	54	-28	16.1	1.66	4.0	Butterville	63	-26	22.2	2.31	13.0	Fayette	47	-30	9.2	1.83	14.7
Astoria	59	-21	18.7	1.98	2.2	Cambridge City	64	-29	21.1	1.96	2.9	Fontana	58	-30	9.2		
Atwood,* ³	52	-22	16.1	3.27	1.0	Columbia City ¹	60	-19	19.1	2.64	T.	Forest City	50	-33	8.2	1.53	14.0
Aurora a	54	-22	17.8	1.75	....	Columbus	65	-27	23.1	2.66	7.8	Fort Madison	56	-30	11.2	0.80	....
Aurora b	53	-21	17.6	2.15	6.1	Connerville	64	-22	22.1	1.73	3.7	Gaiba	56	-30	11.2	1.80	6.0
Bloomington	59	-22	19.7	2.20	2.0	Crawfordsville	60	-19	22.2	3.58	0.7	Garden Grove	56	-25	15.1	0.27	2.8
Bushnell	61	-22	18.8	2.07	....	Delphi	59	-19	19.9	2.02	1.0	Glenwood	63	-35	15.4	0.50	5.0
Cambridge	54	-22	17.0	1.63	6.0	Edwardsville*1	64	-18	26.6	3.18	6.5	Grand Meadow*1	46	-30	9.2	1.13	11.0
Carlinville	61	-21	21.0	2.20	4.5	Farnland	62	-19	22.2	2.34	4.9	Greene	50	-29	11.0	1.89	20.0
Carlisle	58	-20	19.9	3.21	7.0	Fort Wayne	63	-19	21.2	2.35	T.	Greenfield	57	-29	13.0	0.85	5.9
Carrollton	58	-22	20.6	2.55	8.2	Franklin*1	63	-16	24.2	1.80	5.5	Grinnell	50	-25	13.8	0.77	4.2
Charleston	58	-22	20.6	2.55	8.2	Hannom	51	-22	17.2	0.71	1.0	Grundy Center	53	-25	10.6	0.90	3.0
Chemung	51	-24	14.0	1.62	9.5	Hector	61	-23	25.5	2.28	1.5	Guthrie Center	56	-26	16.2	0.50	5.0
Chester	58	-21	22.8	2.55	10.0	Huntington	61	-21	21.2	2.31	3.5	Hampton	50	-30	9.4	1.08	10.8
Cisne	61	-21	22.8	2.55	14.0	Jeffersonville	62	-13	26.0	2.25	9.0	Harlan	57	-29	11.9	0.42	4.2
Coatsburg	59	-24	17.6	1.80	....	Knightstown	64	-25	22.0	2.88	5.0	Hawkeye	57	-23	14.2	2.08	20.2
Cobden,* ⁵	63	-19	22.9	3.52	5.0	Kokomo	61	-17	22.7	1.78	1.5	Hedrick*1	53	-23	15.9	0.55	3.5
Danville	58	-21	22.8	2.55	2.0	Lafayette	56	-23	19.4	1.81	1.0	Hopeville	57	-25	14.2	0.59	0.2
Decatur	57	-22	19.9	2.48	3.8	Laporte	49	-21	17.0	1.52	1.0	Humboldt	54	-31	11.0	0.44	3.4
Dixon	58	-23	18.3	1.25	2.0	Logansport*1	59	-18	20.8	1.16	2.0	Independence	49	-29	11.1	0.87	8.8
Dwight	51	-23	17.9	2.13	0.5	Madison	63	-20	25.0	2.69	8.3	Indianola	56	-25	15.5	0.51	5.4
Effingham	59	-19	22.5	2.47	5.5	Marengo	64	-29	24.0	2.39	13.4	Iowa City*1	55	-26	14.5	1.82	6.0
Elgin	54	-23	16.1	1.80	6.9	Marion	61	-19	21.0	2.17	1.0	Iowa Falls	51	-28	10.0	0.93	8.0
Equality	66	-22	24.8	3.12	13.0	Markie	60	-18	21.4	1.90	1.0	Keosauqua	60	-22	17.8	1.39	2.0
Flora	62	-21	23.0	2.68	8.9	Mauzy	63	-25	21.8	2.18	5.4	Knoxville	56	-23	15.4	0.49	4.5
Fort Sheridan	54	-21	16.8	....		Mount Vernon	61	-20	22.4	2.20	8.1	Lamoni	56	-24	15.0	0.71	6.8
Friendgrove	56	-21	22.5	2.75	10.7	Northfield	60	-20	20.8	2.20	1.5	Lansing	51	-21	12.2	1.77	17.7
Galva	55	-25	15.6	1.39	2.9	Paoli	62	-30	23.2	2.72	13.2	Larchwood	56	-27	7.8		
Glenwood,* ¹	48	-23	18.5	1.54	2.5	Prairie Creek	63	-19	23.9	2.19	1.0	Larrabee	58	-35	9.6	0.70	7.0
Grafton	58	-22	22.8	2.53	5.0	Princeton	62	-20	23.3	1.45	7.0	Lemars	58	-29	13.6	0.98	8.6
Grayville	63	-15	26.0	2.91	11.0	Richmond	62	-27	21.1	1.52	0.5	Lenox	57	-26	11.8	0.70	7.0
Greenville	60	-21	20.6	2.00	2.0	Rockville	60	-20	21.2	1.86	2.4	Logan	57	-26	16.4	0.78	6.2
Griggsville	58	-22	19.8	1.54	3.5	Salem	64	-27	22.8	2.57	14.0	Maquoketa	53	-26	16.4	0.78	6.2
Halfway	63	-18	24.2	2.46	6.0	Scottsburg	63	-25	25.2	2.87	13.0	Marshall'1	54	-26	13.6	0.26	2.8
Halliday	63	-19	22.8	2.54	7.5	Seymour	62	-20	24.2	3.44	21.0	Mason City	50	-35	8.0	0.71	7.2
Havana	61	-21	22.3	2.21	3.0	Shelbyville	61	-20	21.4	2.10	2.0	Monticello	53	-25	13.6	0.97	8.5
Henry	53	-23	18.3	1.94	....	South Bend	51	-20	19.5	2.18	4.0	Mooar	56	-21	16.8	0.45	0.5
Hillsboro	62	-20	20.4	2.51	4.0	Syracuse	53	-21	19.2	2.85	4.8	Mount Pleasant	58	-25	13.9	0.81	5.0
Joliet	50	-20	18.8	1.68	1.8	Terre Haute	60	-16	23.1	2.05	3.9	Mount Vernon a*1	54	-30	12.9		
Kishwaukee	54	-24	16.5	0.95	5.0	Topeka	57	-17	19.5	2.37	T.	Mount Vernon b	54	-26	18.0	0.58	5.7
Knoxville	55	-26	15.6	1.74	1.9	Valparaiso	50	-20	16.0	0.50		New Hampton	46	-33	8.6	1.60	16.0
Lagrange	53	-21	17.8	1.91	4.0	Vevay	60	-22	23.1	4.20	22.0	Newton	52	-28	13.2	0.75	7.1
LaHarpe	56	-24	17.8	1.38	....	Vincennes	64	-19	22.6	2.00	9.0	North McGregor	50	-34	12.7	1.36	14.5
Lanark	54	-27	14.2	0.20	....	Washington	62	-19	24.3	1.44	4.7	Northwood	50	-34	12.7	1.27	12.0
Loami	61	-19	28.4	2.61	9.2	Worthington	64	-24	23.2	2.28	8.7	Odebolt	58	-29	12.2	0.83	6.8
McLeansboro	61	-19	21.6	1.38	5.0	<i>Indian Territory.</i>	78	-14	31.8	0.22		Oden	56	-28	13.0	0.88	8.8
Martinton	52	-20	19.6	0.80	....	Healdton	75	-14	34.0	1.05	0.5	Olin	51	-26	14.1	1.47	5.5
Mascoutah	66	-20	23.2	3.45	8.8	Kemp	75	-14	34.0	1.05	0.5	Osage	46	-33	8.4	1.66	16.6
Mattoon	63	-16	23.0	2.08	8.2	Lehigh	73	-15	30.8	1.58	T.	Osceola	58	-32	12.9	0.64	5.2
Minonk	51	-23	17.9	1.79	1.0	Sapulpa	....	....	1.63	0.8		Oskaloosa	54	-25	14.9	0.44	4.4
Momouth	54	-25	16.5	1.49	1.8	South McAlester	52	-25	14.0	0.71	5.0	Ottumwa	57	-28	16.4	0.52	1.8
Morgan Park	50	-23	19.5	1.78	2.5	Tahlequah	75 ¹	-20	32.4	1.76	1.2	Ovid	58	-25	15.7	0.75	4.0
Morrisonville	59	-29	19.8	2.42	8.0						Pacific Junction	62	-26	13.2	0.40	4.0	
Mount Carmel	57	-22	20.4	4.01	14.0	Afton	57	-26	14.1	0.50	5.0	Parnell	55	-25	16.2	0.	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.					
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.				
Iowa—Cont'd.	o	o	o	Ins.	Ins.		Kentucky—Cont'd.	o	o	o	Ins.	Ins.		Maryland—Cont'd.	o	o	o	Ins.	Ins.				
Waverly	51	-27	11.6	1.72	17.2		Edmonton	64	-24	27.1	6.38	16.5		Bachmans Valley	52	-23	21.7	6.10	31.0				
Webster City	55	-27	12.8	0.50	6.0		Ensor	64	-23	25.5	2.75	12.0		Boettcherville	62	-19	26.4	2.07	17.0				
Westbend*	51	-35	7.4	0.60	6.0		Eubank	63	-23	26.8	4.82	6.0		Charlotte Hall				5.75	39.5				
Westbranch	52	-23	14.2	0.20	2.0		Falmouth				3.22	17.0		Chase	64	-25	24.5	6.84	34.0				
Westunion				1.00	10.0		Fords Ferry	64	-20	26.8	2.41	8.5		Chestertown	56	-9	26.8	6.30	34.2				
Whitten*	50	-29	9.7	0.80	8.0		Frankfort	63	-16	29.0	3.30	13.0		Chewsville	54	-20	23.9	4.80	31.0				
Wilton Junction	56	-24	15.2	1.71	1.0		Georgetown	61	-26	25.0				Collegepark	59	-9	28.2	8.00	30.0				
Winterset	57	-25	15.0	0.60	6.5		Greensburg	66	-29	26.0	4.59	11.5		Cumberland b	59	-12	28.2	5.36	32.0				
Kansas.							Henderson	69	-13	27.9	2.84	12.0		Darlington	56	-12	25.4	4.55	27.0				
Abilene	65	-29	17.6	0.80	6.5		Hopkinsville	70	-19	27.7	4.25	6.5		Deerpark	56	-25	21.3	4.40	20.0				
Achilles				0.45	4.6		Irvington	64	-25	26.0	2.25	11.0		Denton	58	-14	27.3	6.63	30.0				
Altoona*	63	-22	19.0	1.25	1.5		Leitchfield	64	-26	25.6	2.68	8.5		Easton	60	-15	27.2	8.61	50.3				
Anthony				0.30	0.5		Loretto	63	-30	24.6	4.16	12.6		Ellict City	56	-8	24.1	5.07	34.0				
Atchison a	63	-25	17.8	1.36	7.2		Lyndon	63	-33	24.8	2.25	10.0		Falston	53	-14	25.0	6.09	34.2				
Atchison b*	62	-21	17.4				Marrowbone	66	-30	26.0	5.04	10.0		Frederick	54	-10	26.2	5.35	34.2				
Augusta	57	-24	20.4	0.38	1.5		Maysville	63	-22	28.4	2.77	10.7		Frostburg	67	-23	25.8	4.96	36.2				
Burlington	63	-27	20.1	0.87	3.6		Middleboro	65	-20	29.0	6.69	9.1		Grantsville	58	-22	22.2	3.27	19.0				
Campbell	64	-33	16.0	1.27	11.8		Mount Hermon	63	-21	27.2	6.59	6.5		Greatfalls	57	-14	24.8	4.98	35.8				
Centropolis				0.80	3.0		Mount Sterling	58	-22	26.3	5.74	19.0		Greenspring Furnace	56	-14	25.0	5.12	30.0				
Chanute	66	-28	22.3	1.98	3.0		Owensboro	65	-31	27.4	2.63	10.0		Hagerstown	53	-14	24.6	5.42	34.0				
Colby	63	-31	15.8	0.29	2.9		Owenton	60	-19	24.3	4.18	14.8		Hancock	61	-18	23.5	2.93	35.0				
Columbus	65	-24	23.2	2.09	2.1		Paducah a				Paducah b	71	-12	27.8	3.81	11.0		Jewell	68	-14	27.0	8.94	34.0
Coolidge	62	-26	19.4	0.70	7.0		Paducah b	71	-30	25.8				Johns Hopkins Hospital	59	-10	26.9	7.16	33.2				
Cunningham	71	-24	20.6	0.20	2.0		Princeton	67	-20	25.8				Laurel	60	-18	27.1	4.61	30.0				
Delphos	68	-23	18.6	0.38	3.1		Richmond	61	-24	25.6	5.34	11.0		Mount St. Marys Coll.	55	-15	24.8	4.35	36.5				
Dresden	61	-26	15.7	0.60	6.0		Russellville	71	-22	23.8	5.74	12.0		New Market	50	-14	25.7	4.37	31.0				
Ellwood	66	-21	18.6	0.28	2.8		St. John	63	-36	26.1	3.32	9.9		Ocean City	60	-4	30.2	4.51	38.0				
Emporia	64	-23	21.2	0.75	6.0		Scott	60	-29	23.1	2.30	13.2		Pocomoke City	64	-4	32.0	5.38	36.0				
Englewood	71	-24	22.8	0.10	1.0		Shelbyville	63	-28	24.6	4.92	11.0		Port Deposit	59	-10	26.5	5.00	34.0				
Eureka				0.67			Vanceburg	59	-25	21.7				Princess Anne	62	-10	29.0	5.79	33.5				
Eureka Ranch	64	-29	17.0	0.35	3.5		Williamsburg	68	-19	30.0	8.84	4.0		Queenstown	58	-2	26.8	7.28	39.0				
Fallriver	70	-21	24.3	1.05	4.0		Louisiana.							Sandy Point	58	-14	26.8	5.27	30.5				
Fanning	63	-30	19.0	0.58	1.0		Abbeville	78	5	46.9	2.58	3.0		Sharpsburg	55	-13	25.3	4.35	35.2				
Fort Riley	67	-28	20.2	0.79	2.8		Alexandria	77	3	42.6	4.30	7.0		Smithsburg a	54	-18	25.6						
Fort Scott	68	-23	21.4	1.88	3.0		Amitie	80	1	46.4	4.85	6.0		Smithsburg b	60	-18	24.2	5.40	34.0				
Frankfort	65	-34	16.4	1.55	15.5		Bastrop	78	-12	39.6	3.64	7.2		Solomons	60	-5	24.9	4.54	33.0				
Garden City	66	-32	18.8	1.18	10.8		Baton Rouge	77	3	46.4	2.78	3.0		Sudlersville	61	-7	28.0						
Garfield				0.19	1.8		Calhoun	76	-13	36.6	1.47	8.2		Sunnyside	56	-26	21.2	6.39	36.5				
Gibson	68	-22	16.8	0.10	1.0		Clinton	79	0	45.8	3.38	3.5		Taneytown	57	-16	25.1	5.57	32.8				
Gove*	64	-24	19.3	0.50	5.0		Donaldsonville	80	3	36.2	4.15	3.0		Van Bibber	58	-12	26.0						
Grenola				0.50			Elm Hall	78	5	46.8	4.60	2.0		Westernport	60	-13	24.6	3.87	21.5				
Hays	66	-22	19.8	0.20	2.0		Emilie	75	2	46.9	4.57	3.0		Westminster	59	-16	23.6	4.86	26.5				
Horton	61	-25	17.6	0.90	4.0		Farmerville	75	-15	37.6	3.12	12.0		Woodstock	57	-13	26.0	5.35	25.5				
Hoxie	60	-30	0.93	3.3			Franklin	78	8	47.0	4.13	2.0		Massachusetts.									
Hutchinson				0.53	3.3		Grand Coteau	79	2	46.8	1.84	1.8		Adams	50	-14	22.2						
Independence	67	-21	23.8	1.28	0.9		Hammond	80	1	45.8	3.83	3.0		Amherst	53	-10	22.8	4.25	30.6				
Lawrence	63	-24	18.9	1.54	7.5		Houma	78	5	39.4	4.15	5.0		Attleboro	54	-18	24.0	4.47	30.0				
Lebanon				0.40	4.0		Jeanerette	77	3	44.9	2.98	2.0		Bedford	53	-7	24.6	3.83	33.0				
Lebo	62	-26	18.2	0.91	3.0		Jennings	76	3	46.2	2.77	2.0		Bluehill (summit)	49	-10	22.6	4.09	36.0				
McPherson	67	-27	18.4	0.57	5.5		Lafayette	78	6	44.8	2.75	1.5		Cambridge	57	-7	25.0	5.41					
Manhattan b	65	-32	17.8	0.86	5.7		Lake Charles	75	3	44.7	4.16	1.0		Chestnut Hill	52	-7	24.1	5.08	24.8				
Manhattan c	65	-35	16.9	0.63	5.0		Lake Providence							Cohasset	45	-1	24.0	4.61	14.0				
Marion	69	-23	19.2	0.50	2.0		Lawrence	84	6	49.1	6.55	2.0		Concord	51	-15	22.4	3.47	34.9				
Meade				0.40			Liberty Hill	81	-6	39.1	3.87	9.5		Dudley ¹	49	-12	22.5	5.40					
Medicine Lodge	73	-20	24.4	0.09	1.0		Mansfield	80	-6	39.8	2.17	5.3		East Templeton ¹	50	-12	21.8	4.10	31.5				
Minneapolis	65	-29	16.9	0.33	3.3		Melville	77	5	45.8	2.42	2.2		Fallriver	55	-5	25.0	4.72	27.0				
Morantown	61	-27	20.4	1.76	2.5		Minden	77	-16	38.0	2.56	6.0		Fishkdale	56	-26	20.0	3.71	31.1				
Mouthope*	65	-24	20.0	0.40	2.0		Monroe	77	3	37.2	2.83	6.5		Fitchburg a ¹	50	-9	22.7	8.59	31.0				
Ness City	62	-29	23.6	0.30	3.0		New Iberia	76	6	46.6	3.20	3.0		Fitchburg b ¹	52	-10	22.8	3.19	28.8				
Newton	67	-25	20.6	0.42	4.0		Rayne	77	3	46.2	3.12	2.0		Framingham	49	-8	24.3	4.79					
Oberlin				0.40	4.0		Robeline	81	-6	41.0	4.18	6.5		Groton	50	-12	21.8	3.86	36.0				
Olathe	68	-29	21.2	1.00	4.0		Ruston	77	-15	38.6	3.68	5.0		Hyannis ¹	45	-4	26.7	5.87	37.0				
Osage City	63	-26	18.6	1.03	5.0		Schriever	81	6	48.2	4.45	8.0		Jefferson	51	-14	23.0	5.15	36.2				
Osborne				0.10	0.2		Shellbeach	72	-7	45.5	3.20	2.0		Lawrence	51	-14	23.0	2.64	36.0				
Oswego				1.73	1.0		Southern University	75	4	46.4	3.80	2.5		Leeds	55	-16	21.6	3.80	26.0				
Ottawa	65	-26	1.30	5.0			Sugar Ex Station	77	6	47.4	4.46	3.0		Leominster	53	-11	22.8	4.11	29.5				
Phillipsburg				0.35	3.5		Sugartown	75	5	45.9	3.58	0.9		Long Plain	53	-14	22.6	5.02					
Pittsburgh																							

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Michigan.</i>	°	°	°	In.	In.		<i>Michigan—Cont'd.</i>	°	°	°	In.	In.		<i>Michigan—Cont'd.</i>	°	°	°	In.	In.	
Adrian.	62	-17	18.7	2.06	0.8		Vassar.	54	-25	16.6	1.13	1.2		Lake.	°	-10	37.3	2.94	0.9	
Agricultural College.	55	-24	16.8	1.51	3.0		Vermillion Point* ¹⁰ .	40	-20	8.6	.....	.....		Leakesville.	-5	47.9	4.93	5.3		
Allegan.	50	-35	18.5	2.85	16.0		Wasepi.	53	-22	17.9	2.33	2.0		Logtown.	5	48.7	4.19	1.5		
Alma.	50	-24	16.4	1.18	9.0		Waverly.	48	-43	14.6	2.04	8.3		Louisville.	-13	48.7	5.14	8.0		
Ann Arbor.	60	-16	19.0	1.54	2.5		West Harrisville.	45	-26	11.2	1.32	8.5		Macon.	-5	37.0	.....	.....
Arbela.	54	-24	17.0	1.90	3.0		Wetmore.	44	-40	4.7	0.65	6.0		Magnolia.	-1	44.0	2.78	5.0		
Baldwin.	45	-49	10.7	1.49	12.1		White Cloud.	46	-36	12.7	2.12	2.0		Natchez.	77	2	48.5	2.35	.....
Ball Mountain.	56	-17	17.0	0.73	1.1		Ypsilanti.	59	-16	18.9	2.05	2.5		Okolona.	72	1	44.0	1.92	1.5	
Baraga.	41	-36	4.7	0.82	7.0		<i>Minnesota.</i>	47	-42	0.0	0.06	1.0		Palo Alto.	73	-10	36.5	6.18	8.9	
Battie creek.	50	-24	18.3	2.16	6.4		Ada.	49	.....	.....	1.14	11.8		Pontotoc.	-11	34.2	4.66	5.2		
Bay City.	51	-21	16.2	1.10	2.5		Albert Lea.	49	-36	8.6	0.39	8.9		Port Gibson.	-3	40.3	2.80	4.5		
Berlin.	55	-22	15.9	1.46	3.8		Alexandria.	52	-37	6.0	0.37	3.7		Ripley.	-12	28.7	4.91	4.0		
Berrien Springs.	50	-17	17.9	2.70	11.0		Beardsley.	44	-48	1.6	0.12	1.2		Rosedale.	70	-5	31.7	.....	.....
Big Rapids.	46	-36	12.1	2.18	9.0		Bermidji.	48	-32	6.0	0.72	7.2		Stonebridge* ¹ .	76	-6	43.1	.....	.....
Birmingham.	56	-19	18.5	1.41	2.5		Bird Island.	46	-36	5.6	0.95	9.5		Tupelo.	76	5	5.82	.....	.....
Boon.	.....	.....	.....	1.49	15.1		Blooming Prairie.	46	-41	3.0	0.39	5.5		Walnut Grove.	77	-7	42.3	2.14	3.8	
Calumet.	42	-23	8.0	1.34	16.0		Farmington.	47	-38	5.0	1.30	12.5		Water Valley* ¹ .	70	-6	35.1	5.25	3.5	
Camden.	58*	-19*	13.2*	1.98	.....		Fergus Falls.	48	-38	3.5	0.34	3.0		Waynesboro.	74	-2	40.6	5.41	6.0	
Carsonville.	55	-22	15.8	0.84	T.		Glencoe.	50	-38	10.8	1.93	13.3		Woodville.	77	-3	49.8	3.71	3.0	
Charlevoix.	45	-32	11.2	1.84	15.5		Collegeville.	46	-34	8.4	0.86	6.0		Yazoo City.	75	-2	36.6	3.67	5.2	
Cheboygan.	46	-26	11.4	1.39	7.0		Crookston.	42	-40	0.8	0.05	0.5		<i>Missouri.</i>	.....	.....	.....	.....	.....
Clinton.	62	-20	19.4	1.64	0.7		Deephaven.	.....	.....	.....	1.50	15.0		Appleton City.	62	-27	21.5	2.16	4.5	
Coldwater.	56	-17	19.0	1.91	4.0		Detroit City.	47	-53	3.3	0.28	1.5		Arthur* ³ .	60	-26	18.4	2.45	7.0	
East Tawas.	46	-21	12.0	.....	.....		Farmington.	47	-40	5.0	1.30	12.5		Avalon.	60	-27	17.0	1.57	3.0	
Eloise.	59	-15	19.6	2.17	0.8		Fergus Falls.	48	-38	3.5	0.34	3.0		Bethany.	60	-25	17.4	1.30	10.0	
Ewen.	49	-47	4.4	0.75	7.5		Glencoe.	50	-38	10.8	1.93	13.3		Birchtree.	71	-32	28.9	3.04	6.0	
Fairview.	58	-17	17.0	1.38	2.3		Glenwood.	48	-35	5.8	0.54	4.5		Boonville.	.....	.....	.....	2.54	7.2	
Fitchburg.	56	-22	17.7	2.19	7.0		Grand Meadow.	49	-36	4.1	1.16	15.0		Brunswick.	60	-27	17.0	2.36	6.5	
Flint.	55	-26	16.1	1.31	2.0		Hallowell.	39	-46	4.1	.....	.....		Carrollton.	59	-20	20.2	1.89	6.8	
Frankfort.	51	-32	14.2	1.81	12.7		Lake City.	46	-39	7.4	0.47	7.0		Conception.	59	-24	18.9	0.85	8.5	
Gladwin.	47	-31	13.6	1.90	10.0		Lake Jennie.	48	-33	7.1	0.67	6.0		Cook Station.	60	-20	20.2	2.56	4.3	
Grand Rapids.	50	-24	14.9	1.76	3.4		Lakeside.	48	-34	6.4	0.18	2.2		Cowgill* ⁶ .	62	-25	17.9	1.87	2.0	
Grape.	62	-15	21.0	2.05	T.		Lake Winnibigoshish.	45	-40	0.9	0.36	4.0		Darksville.	58	-27	16.7	.....	.....
Grayling.	46	-41	9.0	0.45	9.0		Leech Lake.	45	-59	3.6	0.33	4.0		East Lynne* ³ .	58	-26	16.6	2.37	5.8	
Hanover.	56	-21	17.8	2.09	8.1		Long Prairie.	48	-40	2.2	0.34	3.4		Edgehill* ⁵ .	58	-20	21.0	3.09	7.6	
Harrison.	44	-36	11.6	0.80	5.0		Luverne.	55	-35	6.3	0.97	6.8		Eightmile* ¹ .	59	-29	20.0	2.23	5.1	
Harrisville.	51	-25	14.2	1.38	12.6		Lynd.	53	-29	8.0	0.53	5.2		Eldon.	80	-28	19.4	2.20	8.0	
Hart.	47	-35	15.4	1.25	5.5		Mapleplain.	49	.....	.....	1.53	15.0		Elmira.	64	-24	17.2	1.26	2.1	
Hastings.	51	-31	15.7	1.74	8.1		Milaca.	48	-41	3.0	1.10	11.0		Fairport.	.....	.....	.....	1.12	3.7	
Hayes.	48	-27	15.0	0.70	1.0		Minneapolis a.	51	-40	5.8	1.21	11.9		Farmersville.	.....	.....	.....	1.15	1.5	
Hillsdale.	57	-17	17.9	2.02	0.5		Minneapolis b ¹ .	47	-36	6.2	0.96	9.3		Fayette.	56	-26	17.6	3.18	5.8	
Holland* ⁹ .	49	-34	19.8	.....	.....		Minneapolis City* ¹ .	48	-35	9.9	1.09	11.0		Fulton.	.....	.....	.....	2.79	6.5	
Howell.	51	-24	18.8	2.38	5.0		Montevideo.	51	-38	6.6	.....	.....		Galena.	.....	.....	.....	1.52	8.5	
Humboldt.	40	-49	0.8	0.70	1.5		Morris.	48	-38	5.3	0.26	2.5		Gallatin* ¹ .	60	-25	17.0	1.24	4.0	
Ionia.	48	-35	16.0	0.58	T.		Mount Iron.	45	-42	0.0	0.50	5.0		Gayoso.	68	-23	29.0	2.70	4.5	
Iron Mountain.	46	-38	8.8	1.24	11.0		Newfolden.	36	-44	4.4	0.10	.....		Glasgow.	56	-26	18.2	2.13	6.0	
Ishpeming.	40	-32	6.6	1.01	8.8		New London.	46	-36	3.3	0.90	3.5		Gordonville* ³ .	55	-21	21.4	3.23	11.0	
Ivan.	46	-30	12.6	0.50	6.5		New Richland* ¹ .	46	-36	6.6	.....	.....		Gorin.	.....	.....	.....	1.39	1.0	
Jackson.	57	-18	19.0	1.50	.....		New Ulm.	50	-81	8.5	1.56	15.2		Halfway.	67	-29	23.0	2.12	2.0	
Jeddo.	54	-20	15.9	1.11	3.2		Park Rapids.	43	-51	1.0	0.28	2.8		Harrisonville.	61	-28	15.6	1.62	3.2	
Kalamazoo.	50	-19	18.2	1.80	5.2		Pine River.	45	-42	1.0	0.52	6.2		Hermann.	60	-27	20.2	2.63	8.0	
Lake City.	44	-41	10.6	1.35	13.5		Pipestone.	54	-38	8.8	0.35	5.0		Houston.	70	-31	24.8	2.38	5.0	
Lansing.	59	-19	17.0	1.65	6.0		Pleasant Mounds.	55	-36	7.7	1.20	14.0		Irena.	.....	.....	.....	0.89	3.6	
Lapeer.	53	-24	14.9	1.70	3.0		Pokegama Falls.	45	-50	-1.6	0.52	6.4		Ironton.	70	-26	22.1	2.60	11.0	
Lathrop.	47	-40	6.8	1.00	10.0		Redwing.	.....	.....	.....	4.39	27.5		Jefferson City.	62	-25	19.1	2.67	6.0	
Ludington.	65	-37	15.0	1.10	6.7		Reeds.	51	-33	6.5	1.80	16.0		Kidder.	59	-26	16.8	1.46	3.2	
Luzerne.	48	-38	8.4	1.76	15.0		Rolling Green.	51	-47	-6.6	0.15	3.4		Lamar.	67	-25	24.9	2.14	3.0	
Mackinaw City.	45	-25	9.7	0.85	7.0		Sauk.	49	-38	8.8	0.77	7.3		Lamonte.	67	-28	22.6	2.85	3.5	
Madison.	59	-18	19.0	1.95	2.7		Slayton.	49	-37	5.5	.....	.....		Lexington.	62	-26	19.6	1.85	5.0	
Mancelona.	46	-43	8.3	0.80	8.0		Tower.	46	-49	1.8	1.80	12.0		Liberty.	61	-29	21.1	1.59	8.0	
Manistique.	42	-29	8.2	0.98	9.0		Two Harbors.	55	-36	7.8	0.61	11.2		Louisiana.	62	-21	20.6	1.93	2.1	
Middle Island* ¹⁰ .	46	-18	14.0	0.60	6.0		Wabasha* ¹ .	44	-36	7.1	0.90	11.0		Mineralspring.	68	-23	24.2	1.52	4.0	
Midland.	49	-25	15.2	.....	.....		Willmar.	48	-38	4.4	0.92	6.1		Montreal.	68	-20	21.2	1.91	5.0	
Mottville.	54	-26	17.5	2.27	1.3		Willow River.	51	-45	4.5	0.44	8.0		Mount Vernon.	60	-25	24.7	1.01	3.2	
Mount Clemens.	53	-16	18.0	0.75	.....		Winnebago City.	55	-25	10.1	1.38	.....		Neosho.	68	-20	25.2	1.78	3.5	
Mount Pleasant.	47	-33	14.0	.....	.....		Worthington.	52	-3											

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Missouri—Cont'd.</i>	0	0	0	In.	In.	<i>Nebraska—Cont'd.</i>	0	0	0	In.	In.	<i>Nebraska—Cont'd.</i>	0	0	0	In.	In.
Sikeston.....	68	-23	25.2	3.52	11.0	Dawson.....	67	-30	17.5	0.82	9.6	Valentine.....	59	-37	9.6	0.46	....
Steffenville.....	61	-24	19.5	2.15	7.0	Eden.....	62	-37	14.6	0.85	8.5	Valparaiso.....	61	-33	9.8	0.38	5.2
Stellada.....	57	-29	19.2	2.07	5.5	Edgar ^a	62	-37	14.6	1.20	12.0	Wakefield.....	61	-33	9.8	0.87	8.7
Sublett.....	57	-24	15.9	2.14	4.1	Elba.....	56	-35	9.1	0.60	6.0	Wallace.....	61	-29	9.2	0.80	....
Unionville.....	57	-25	....	0.71	2.0	Ericson ^a	56	-35	9.1	0.60	6.0	Weeping Water ^a	61	-29	12.0	0.91	8.0
Vichy.....	69	-29	23.5	2.61	4.0	Ewing.....	68	-38	15.2	0.55	5.5	Wellfleet.....	64	-24	19.7	0.92	9.2
Warrensburg.....	59	-36	20.0	2.17	4.0	Fairbury.....	66	-32	12.6	0.60	6.0	Westpoint.....	67	-29	14.8	0.59	6.3
Warrenton.....	63	-32	18.4	3.24	9.0	Fairmont.....	57	-37	9.8	0.58	5.6	Whitman.....	66	-30	15.9	0.65	6.5
Wheatland.....	....	....	....	2.47	4.2	Fort Robinson.....	68	-39	10.8	0.75	7.5	Willard.....	60	-37	14.9	0.40	4.0
Willow Springs.....	69	-28	22.3	3.12	5.0	Franklin.....	62	-29	12.0	0.81	7.5	Wilsonville ^a	61	-29	15.2	0.68	7.0
Wylie.....	72	-25	27.0	1.38	T.	Fremont.....	64	-33	14.8	1.45	14.5	Wisner.....	65	-33	15.2	1.10	10.0
Zeitonia.....	72	-32	22.8	2.12	7.0	Geneva.....	68	-30	13.8	0.78	7.9	Wymore ^a	63	-28	13.9	0.50	5.0
<i>Montana.</i>	....	....	....	....	....	Gering.....	49	-45	7.4	1.04	10.2	<i>Nevada.</i>	....	....	....	....	....
Adel.....	47	-50	7.4	0.74	7.4	Gothenburg.....	62	-38	14.4	1.00	10.0	Battle Mountain ^a	57	-10	30.8	T.	T.
Augusta.....	53	-40	10.2	....	....	Grand Island ^a.....	....	....	....	....	....	Beowawe ^a	58	-14	29.4	0.45	4.5
Hig Timber.....	49	-44	12.5	0.32	3.5	Grand Island ^b	66	-34	14.4	0.68	6.8	Blaine.....	53	-25	28.4	1.80	11.0
Billings.....	55	-49	8.9	T.	T.	Grand Island ^c	55	-33	11.0	....	....	Candelaria.....	73	-2	38.8	0.05	0.5
Boulder.....	50	-38	12.3	0.50	5.0	Greeley.....	....	....	....	....	....	Carlin ^a	58	-2	29.1	0.75	4.0
Butte.....	45	-28	14.8	1.39	14.0	Hartington.....	60	-38	8.2	1.40	14.0	Clover Valley.....	61	-26	31.8	0.67	6.7
Canyon Ferry.....	47	-34	10.8	0.62	....	Harvard.....	64	-33	13.8	1.05	11.5	Crane's Ranch.....	51	-17	28.7	0.80	8.0
Castle.....	40	-36	11.4	1.35	....	Hastings ^a	64	-30	14.0	1.25	12.5	Elko.....	48	-16	27.4	0.65	5.0
Columbia Falls.....	42	-27	12.4	1.85	10.0	Hayes Center.....	51	-41	8.4	0.50	4.2	Empire Ranch.....	58	-25	20.2	0.09	9.0
Corvallis.....	50	-39	16.3	1.61	16.0	Hay Springs.....	66	-34	14.8	1.20	11.5	Fenelon ^a	48	-21	21.5	1.19	11.0
Crow Agency.....	53	-46	9.3	0.37	3.5	Hebron.....	....	....	....	....	....	Golconda ^a	58	-20	30.2	0.40	4.0
Darby ^a.....	....	....	....	3.85	28.5	Hickman.....	59	-43	8.0	0.30	8.0	Helleck ^a	53	-24	26.1	0.45	4.5
Dearborn Canyon.....	50	-33	10.8	0.80	8.0	Hooper ^a	60	-32	11.4	0.78	8.0	Hawthorne ^a	65	2	38.4	T.	T.
Deer Lodge.....	49	-40	13.2	2.30	23.0	Imperial.....	55	-35	18.2	0.92	9.2	Hot Springs.....	65	0	34.8	T.	T.
Dell.....	46	-35	11.7	0.47	3.5	Johnstown.....	....	....	....	....	....	Humboldt ^a	60	-5	35.8	0.16	1.5
Dupuyer.....	50	-33	9.0	....	....	Kearney.....	58	-35	10.6	0.75	7.5	Lee.....	....	....	....	1.57	18.0
Ekalaka.....	44	-39	2.3	0.32	3.2	Kimball.....	47	-30	11.4	0.50	5.0	Lewers Ranch.....	65	-6	36.8	0.69	9.2
Florence.....	47	-28	17.3	2.18	....	Kirkwood ^a	60	-33	9.1	0.44	4.5	Los Vegas.....	70	11	42.4	0.00	0.0
Fort Keogh.....	48	-55	1.1	0.80	8.0	Lexington.....	60	-39	13.6	1.25	12.5	Lovelocks.....	59	-14	28.4	0.57	2.0
Fort Logan.....	45	-61	4.2	0.40	....	Lincoln ^b	63	-26	18.6	0.73	7.5	McGill.....	68	-3	37.0	T.	T.
Glasgow.....	57	-50	-1.0	1.20	....	Lincoln ^c	62	-24	16.0	0.55	5.7	Martins.....	57	-4	38.1	T.	T.
Glendive.....	50	-41	4.0	0.80	8.0	Lodgepole.....	54	-38	11.2	0.79	7.0	Mill City ^a	65	-7	35.1	0.05	1.0
Glenwood.....	43	-26	9.8	2.05	....	Loup ^a	66	-38	11.4	T.	T.	Monitor Mtn.....	49	-16	27.7	0.72	7.2
Greatfalls.....	49	-35	11.0	0.85	4.8	Lynch ^a	64	-33	9.6	0.38	3.8	Palisade ^a	59	-12	31.0	1.35	7.0
Kalispel.....	45	-26	14.6	1.30	13.0	McCook.....	....	....	....	....	....	Palmetto.....	64	-17	32.9	T.	T.
Kipp.....	48	-46	5.0	0.49	4.9	Madison.....	70	-30	12.1	0.75	7.5	Panaca.....	65	-5	35.6	T.	T.
Livingston.....	46	-34	18.1	1.26	14.1	Madrid ^a	60	-37	12.3	0.60	6.0	Reno ^a	68	0	36.7	0.85	3.5
Manhattan.....	50	-45	10.8	0.90	9.0	Madrid ^b.....	....	....	....	....	....	Reno State University.....	62	-7	35.1	0.05	1.0
Martinsdale.....	43	-38	11.4	0.90	9.0	Marquette.....	....	....	....	....	....	St. Clair.....	62	-7	35.1	0.05	1.0
Marysville.....	42	-30	9.8	1.16	15.5	Merriman.....	....	....	....	....	....	Silverpeak.....	68	4	41.6	T.	T.
Missoula.....	46	-22	16.9	1.36	15.3	Minden ^a	64	-33	11.4	0.98	11.0	Sodaville.....	68	3	40.4	T.	T.
Parrot.....	48	-30	14.8	0.30	2.0	Minden ^b.....	....	....	....	....	....	Tecoma ^a	52	-8	38.4	1.05	7.5
Plains.....	50	-25	19.6	0.10	1.0	Nebraska City ^a	60	-26	16.4	0.98	7.0	Toano ^a	50	-25	21.4	1.05	7.5
Poplar.....	45	-42	-0.8	2.05	16.5	Nebraska City ^b	61	-26	16.4	0.98	7.0	Tuscarora.....	45	-4	38.1	0.04	....
Radersburg.....	....	....	....	....	Nebraska City ^c	60	-27	14.4	0.70	7.0	Tybo.....	55	-4	43.1	0.55	5.5	
Redridge.....	55	-40	8.1	1.00	10.0	Nesbit.....	58	-84	10.4	0.35	5.0	Verdi ^a	70	-4	48.1	0.04	....
Ridge.....	45	-39	8.1	....	....	Norfolk.....	62	-35	10.0	0.95	9.5	Wadsworth ^a	68	-12	37.2	0.80	3.0
St. Ignatius.....	48	-26	16.5	1.07	14.3	North Loup.....	63	-33	12.2	0.50	5.0	Wells.....	49	-29	25.0	0.71	3.0
St. Pauls.....	45	-51	9.2	1.12	....	Oakdale.....	62	-33	8.8	0.47	4.7	New Hampshire.	....	....	....	....	....
Shelby.....	52	-46	5.1	0.50	5.0	Odell.....	....	....	....	....	....	Alstead ^a	48	-13	18.9	3.50	24.2
Troy.....	51	-26	23.0	1.43	12.0	O'Neill.....	63	-35	10.2	0.18	1.8	Berlin Mills.....	51	-22	15.1	4.26	31.0
Twin Bridges.....	49	-35	15.1	0.46	5.0	Ord.....	....	....	....	....	....	Bethlehem.....	49	-16	16.6	8.87	34.0
Utica.....	60	-34	10.2	0.88	6.5	Osceola.....	....	....	....	....	....	Brookline ^a	52	-20	22.0	8.35	31.2
Wibaux.....	45	-42	5.6	0.50	5.0	Palmer.....	....	....	....	....	....	Clarendon.....	54	-14	21.1	2.88	18.8
Yale.....	55	-37	21.2	0.90	8.0	Palmyra.....	....	....	....	....	....	Concord.....	51	-18	20.8	2.40	24.0
<i>Nebraska.</i>	....	....	....	....	Paxton.....	....	....	....	....	....	Durham.....	52	-7	22.3	2.01	21.5	
Agee ^a	58	-30	10.6	0.18	....	Plattsmouth.....	....	....	....	....	....	Grafton.....	55	-23	16.8	2.97	25.0
Albion.....	62	-30	13.3	1.10	11.0	Pleasant Hill.....	....	....	....	....	....	Hanover.....	55	-23	18.0	1.89	31.5
Alliance.....	....	....	....	....	Ravena ^a	65	-36	12.8	0.89	8.9	Keene.....	53	-18	20.2	3.19	28.0	
Alma.....	67	-38	16.2	0.41	4.1	Ravena ^b.....	....	....	....	....	....	Littleton.....	48	-17	14.5	4.43	37.0
Ansley.....	64	-36	12.6	0.85	8.5	Redcloud ^a.....	....	....	....	....	....	Nashua.....	51	-16	22.0	3.15	33.2
Arapaho ^a	54	-37	15.8	0.60	6.0	Republican ^a	60	-40	14.9	0.30	3.0	Newton.....	52	-9	22.0	2.61	27.5
Arborville ^a	64	-28	12.1	0.58	6.0	Rulo.....	....	....	....	....	....	North Conway.....	55	-18	18.2	3.02	25.0
Ashland ^a	65	-29	14.7	0.80	8.0	St. Libby.....	....	....	....	....	....	Peterboro.....	48	-16	19.8	3.67	30.9
Ashland ^b	68	-26	13.3	0.77	8.5	St. Paul.....	....	....	....	....	....	Plymouth.....	49	-12	17.2	2.06	19.5
Ashton.....	....	....	....	....	Salem ^a	58	-26	12.2	0.85	8.5	Sanbornton.....	53	-13	19.0	2.89		

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.				
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		
Ohio—Cont'd.																						
Bladensburg	66	-20	21.2	1.79	8.4	Urbana	58	-23	21.3	.....	Ina.	o	o	o	.....	Salem ^b	o	o	Ina.	.....	
Bloomingburg	60	-21	21.2	1.51	12.0	Vanceburg	61	-24	25.6	2.90	9.0	Sheridan ^a	64	-4	29.7	6.35	11.0	64	1	36.9	4.82	9.0
Bowling Green	57	-18	20.4	2.39	0.5	Vanwert	63	-18	22.4	1.70	0.5	Silver Lake	62	-27	30.4	0.24	T.	62	-2	40.4	6.92	10.0
Bucyrus	55	-20	18.9	1.5	.....	Vermillion	57	-19	21.2	1.64	4.5	Silverton ^a	58	-2	40.4	6.92	10.0	60	2	37.5	3.00	30.0
Cambridge	58	-33	20.4	2.05	4.0	Vickery	61	-20	20.5	1.49	1.3	Siskiyou ^a	60	-2	37.5	3.00	30.0	46	-15	22.6	3.80	38.0
Camp Dennison	59	-25	23.4	2.18	7.9	Walnut	58	-20	21.2	2.04	8.0	Sparta	57	0	37.8	6.39	18.5	57	-1	35.7	2.19	6.5
Canal Dover	57	-26	22.6	2.18	4.5	Warren	60	-38	23.8	1.70	5.8	Stafford	62	-1	35.7	2.19	6.5	62	-1	35.7	2.19	6.5
Canton	57	-20	22.0	1.72	5.5	Warsaw	62	-17	21.0	4.58	2.1	Toledo	56	8	41.4	14.80	6.0	56	8	41.4	14.80	6.0
Carrolton	56	-24	21.8	2.51	7.0	Waverly	64	-29	24.2	3.87	14.1	Umatilla	.....	.....	.....	1.00	3.2	.....	.....	.....	.....	.....
Cedarville	.....	.....	.....	.....	.....	Waynesville	57	-23	21.2	2.08	9.0	Vale	53	-12	27.7	1.10	7.0	.....	.....	.....	.....	.....
Celina	63	-24	20.9	1.88	2.5	Wellington	59	-18	21.8	1.86	3.0	Vernonia	59	2	37.0	6.81	10.0	54	10	36.8	3.88	3.0
Circleville	60	-21	23.9	2.26	5.0	Westerville	59	-23	23.2	1.22	4.5	West Fork ^a	57	-15	28.7	6.61	15.9	57	-15	28.7	6.61	15.9
Clarksville	59	-23	22.2	1.71	5.0	Willoughby	57	-21	20.5	1.64	4.5	Williams	68	4	40.4	3.05	4.5	68	4	38.5	7.85	8.0
Cleveland ^a	59	-18	21.7	1.95	4.7	Zanesville	.....	.....	2.32	12.5	Winona ^a	74	4	38.5	7.85	8.0	.....	.....	.....	.....	.....
Cleveland ^b	59	-17	20.8	1.40	1.2	Oklahoma.	.....	.....	.....	.....	Pennsylvania.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coatlon	56	-38	21.2	3.70	19.0	Anadarko	76	-17	30.0	0.18	.....	Altoona	59	-20	21.3	3.33	.....	59	-14	25.8	4.36	25.1
Colebrook	54	-23	18.8	1.84	5.5	Arapaho	70	-14	26.3	T.	Aqueduct	56	-14	25.8	4.36	25.1	49	-18	20.6	2.84	20.4	
Dayton ^a	63	-23	23.2	2.01	6.0	Beaver	66	-25	22.4	0.32	8.2	Athens	56	-15	23.2	1.98	6.8	66	-25	23.2	1.98	6.8
Dayton ^b	.....	.....	.....	1.65	6.0	Burnett	73	-17	29.6	0.39	0.5	Beaver Dam	.....	.....	.....	1.71	10.7	73	-19	27.7	1.71	10.7
Defiance	64	-17	20.2	2.21	2.0	Clifton	84	-19	27.7	0.36	0.2	Brookville	.....	.....	.....	.....	.....	73	-19	27.7	1.71	10.7
Delaware	68	-25	21.6	1.61	7.6	Edmond	73	-17	29.5	0.20	.....	Browns Lock	.....	.....	.....	5.92	.....	73	-19	27.7	1.71	10.7
Dupont	65	-18	20.6	1.38	1.0	Fort Sill	73	-14	29.5	0.20	.....	Butler	55	-27	20.9	2.39	12.2	55	-27	20.9	2.39	12.2
Elyria	60	-18	21.6	1.88	2.1	Guthrie	69	-17	26.6	0.26	.....	Cameron	56	-15	23.2	3.38	19.0	69	-17	24.4	3.38	19.0
Findlay	62	-19	20.8	1.50	.....	Hennessey	71	-17	26.8	0.45	.....	Carlisle	55	-16	23.1	5.49	30.5	71	-19	21.2	5.49	30.5
Frankfort	59	-21	23.0	8.10	10.3	Hopeton	73	-19	24.6	0.28	1.7	Cassandra	55	-16	23.1	8.11	14.5	73	-19	21.2	5.49	30.5
Garretttsville	58	-24	19.8	1.94	4.5	Jefferson	70	-11	27.4	0.42	.....	Cedarrun	54	-19	21.2	4.95	22.0	70	-11	27.4	1.51	22.0
Granville	57	-25	20.4	1.84	7.5	Kingfisher	72	-15	28.2	0.30	.....	Centerhall	54	-19	21.2	4.54	27.5	72	-15	24.4	4.54	27.5
Gratiot	57	-26	21.0	2.21	11.3	Mangum	75	-17	30.5	0.01	0.1	Chambersburg	59	-13	24.4	4.86	31.8	75	-17	24.4	4.86	31.8
Greenfield	58	-15	24.5	2.05	8.5	Newkirk	70	-22	25.4	0.57	.....	Coatesville	59	-23	22.0	3.60	22.6	70	-22	22.0	3.60	22.6
Greenhill	55	-25	20.2	1.72	4.8	Norman	74	-17	29.0	0.25	.....	Confluence	62	-23	22.0	3.34	12.0	74	-17	27.1	5.15	22.0
Greenville	59	-20	21.0	2.18	3.0	Pawhuska	70	-16	27.9	1.10	.....	Coopersburg	64	-15	27.1	5.15	22.0	70	-16	27.1	5.15	22.0
Hackney	60	-25	22.6	2.70	17.0	Perry	72	-17	27.0	0.47	0.5	Davis Island Dam	59	-21	21.6	2.85	9.0	72	-17	27.0	0.47	9.0
Hanging Rock	67	-27	25.0	2.97	11.0	Prudence	73	-20	28.6	0.21	.....	Derry Station	62	-21	21.6	3.74	17.8	73	-20	28.6	0.21	17.8
Hedges	54	-20	20.7	1.54	0.5	Sac and Fox Agency	73	-20	28.6	0.50	.....	Driftwood	58	-26	20.3	1.65	8.0	73	-20	28.6	0.50	8.0
Hillhouse	58	-23	18.2	2.82	12.8	Stillwater	71	-17	28.0	0.47	0.5	Duncannon	59	-28	21.4	4.60	19.0	71	-17	28.0	0.47	19.0
Hillsboro	62	-30	23.4	2.70	11.5	Waukomis	73	-18	27.5	0.33	0.7	Dushore	58	-26	20.3	3.48	22.6	73	-18	27.5	0.33	22.6
Hiram	55	-23	19.8	1.77	4.0	Winnview.	70	-17	26.8	0.35	0.7	Dyberry	49	-20	18.5	3.97	22.0	70	-17	26.8	0.35	22.0
Hudson	58	-23	19.5	2.00	.....	Oregon.	.....	.....	.....	.....	East Bloomsburg	58	-14	28.6	5.16	24.2	58	-12	24.4	3.41	26.5	
Jacksonboro	62	-22	23.6	2.80	12.0	Albany ^a	68	2	40.6	5.94	4.0	Easton	58	-12	24.4	3.41	26.5	68	2	40.6	5.94	24.2
Kenton	62	-21	22.6	2.11	1.8	Albany ^b	.....	.....	.....	.....	Girardville	58	-12	24.4	3.41	26.5	58	-12	24.4	3.41	26.5	
Killbuck	56	-21	21.2	0.89	8.5	Arlington	64	-3	33.7	1.28	3.5	Grampian	48	-24	10.1	3.03	17.0	64	-3	33.7	1.28	17.0
Lancaster	59	-20	23.7	3.39	9.0	Ashland ^b	59	0	38.4	1.77	0.7	Greensboro	61	-30	25.8	3.60	17.4	59	0	38.4	1.77	17.4
Leipsic	52	-20	20.7	1.82	1.0	Aurora ^a	60	5	38.6	5.84	11.0	Hamburg	58	-13	23.3	3.95	27.5	60	5	38.6	5.84	27.5
Levering	58	-22	20.5	1.50	3.5	Aurora ^b (near)	59	-2	38.0	6.29	9.3	Hawley	55	-18	21.2	6.08	37.0	59	-2	38.0	6.29	37.0
Logan	65	-29	24.6	1.77	9.0	Bands	68	12	44.9	18.93	9.0	Hawthorn	53	-29	21.4	5.01	12.0	68	12	44.9	18.93	9.0
Lordstown	55	-22	19.0	1.71	5.6	Coquille River	59	-5	38.0	5.61	3.3	Hewis Island Dam	67	-23	23.8	3.96	18.5	59	-5	38.0	5.61	18.5
McArthur	60	-38	23.1	4.18	11.0	Corvallis	60	-10	31.9	1.80	5.6	Huntingdon ^a	67	-23	23.8	3.96	18.5	60	-22	24.0	3.49	22.3
McConnellsville	63	-29	23.0	2.87	13.0	Ella	60	0	40.4	.....	Indiana	60	-22	24.0	3.34	11.7	60	0	40.4	.....	11.7	
Mansfield	58	-21	26.5	3.52	11.5	Eugene ^a	59	20	44.0	10.68	8.0	Irwin	58	-17	25.4	3.49	18.5	59	20	44.0	10.68	8.0
Marietta	59	-23	21.8	1.68	2.6	Fairview	59	20	44.0	10.68	8.0	Johnstown	62	-17	25.4	3.49	18.5	59	20	44.0	10.68	8.0
Marion	59	-23	21.0	1.73	2.0	Falls City	60	1	37.9	11.19	12.0	Karthaun	58	-18	23.1	8.04	46.0	60	1	37.9	11.19	12.0
Medina	57	-23	21.0	1.97	8.0	Forestgrove	59	-1	35.8	7.08	7.3	Keating	58	-18	23.1	5.68	46.0	59	-1	35.8	7.08	7.3
Mifflordton	51	-25	18.0	1.97	8.0	Gardiner	56	16	43.6	11.74	3.0	Lennard Square	58	-19	19.8	2.22	10.5	56	16	43.6	11.74	3.0
Milligan	63	-29	22.2	2.00	9.0	Glenora	57	6	37.0	19.19	9.5	Lawrenceville	58	-20	23.3	5.16	20.5	57	6	37.0	19.19	9.5
Millport	55	-25	19.8	2.69	5.0	Government Camp	46	-16	26.0	29.22	11.0	Lebanon	54	-24	23.3	5.						

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Pennsylvania—Cont'd.</i>																	
Somerset	0	0	20.3	4.39	20.2	Howard	0	0	0	In. s.	6.0	Texas—Cont'd	0	0	0	In. s.	In. s.
South Eaton	56	-24	22.4	8.58	22.0	Interior	51	-42	5.4	0.60	79	Breckenridge	79	-9	84.0	0.10	1.0
State College	53	-14	21.2	3.42	15.1	Ipswich	60	-38	11.3	0.20	81	Brenham	81	0	42.0	1.17	0.1
Sunbury	56	-20	21.2	2.33	23.0	Kimball	54	-37	4.5	0.05	80	Brighton	80	-7	49.8	0.56	
Swarthmore	54	-9	25.7	7.10	35.0	Leslie	61	-38	8.2	0.28	72	Brownwood	72	-3	40.4	0.31	
Towanda	51	-17	21.2	2.52	19.0	Mellette	56	-39	8.0	T.	72	Burnet	72	-7	40.4	0.31	
Trout Run	56	-22	25.6	4.51	19.5	Menno	62	-35	8.0	0.40	74	Camp Eagle Pass	74	-6	34.6	T.	
Uniontown	64	-22	25.6	5.43	22.0	Millbank	55	-34	7.4	0.27	74	Coleman	74	-6	34.6	T.	
Warren	50	-24	19.6	3.38	14.7	Mitchell	62	-39	8.1	0.17	74	College Station ^a	74	-6	41.0	1.22	
Wellsboro	56	-25	21.8	2.54	21.2	Montrose	57	-40	4.2	0.34	79	Colorado	79	5	46.4	2.18	
West Chester	55	-12	25.2	6.95	38.0	Nowlin	62	-41	7.6	0.22	81	Columbia	81	-7	44.6	1.35	0.2
West Newton	55	-17	22.8	3.96	16.0	Oelrichs	52	-41	8.7	1.05	72	Conroe	72	-7	36.8	1.24	3.0
Westtown	52	-13	23.2	5.38	34.0	Parker	58	-37	6.8	0.55	74	Corsicana	74	-7	33.0	1.00	
White Haven	53	-24	19.6	4.67	31.0	Plankinton	62	-40	6.4	0.20	74	Cuero	74	-10	38.6	0.88	
Wilkesbarre	52	-9	25.2	4.48	30.0	Redfield	59	-40	6.7	0.16	77	Dallas	77	-9	46.8	1.36	
Williamsport	54	-17	23.6	3.71	19.9	Rochford	50	-42	8.6	0.85	77	Danevang	77	-9	33.0	T.	
York	53	-17	23.8	6.64	47.1	Rosebud	51	-35	6.6	0.60	81	Dublin	81	-5	43.4	T.	
<i>Rhode Island.</i>						Silver City	57	-42	5.2	0.65	81	Duval	81	-10	36.8	0.80	2.0
Bristol	47	0	25.7	5.08	28.0	Sioux Falls	57	-42	5.2	0.65	81	Emory	81	-10	36.8	1.80	
Kingston	53	-10	23.5	5.08	24.5	Spearfish	51	-29	8.2	0.19	90	Estelle	90	-12	54.6	1.09	
Londsdale						Tyndall	62	-33	7.6	0.35	97	Fort Brown	97	5	55.8	0.00	
Pawtucket	53	-5	28.3	5.02	27.5	Watertown	47	-38	8.9	T.	97	Fort McIntosh	97	-7	52.6	0.08	
Providence	53	-15	26.4	6.00	35.2	Waubay	54	-38	2.1	T.	99	Fredericksburg ^a	99	-7	41.1	0.27	
Providence ^c	50	-6	24.4	6.01	24.0	Wentworth	56	-40	5.0	0.68	80	Fruitland	80	-12	38.5	0.17	
<i>South Carolina.</i>						Wessington Springs	50	-39	4.0	0.65	74	Gainesville	74	-12	34.5	0.54	0.4
Allendale						Whiteswan	63	-29	10.9	0.34	76	Georgetown ^a	76	-2	38.4	0.51	
Anderson						Wolsey				0.10	1.0	Golindo				0.80	
Batesburg	74	-4	41.8	11.23	9.5	<i>Tennessee.</i>						Grapevine	80	-12	35.6	0.87	1.6
Beaufort	76	-7	49.8	6.15	2.2	Andersonville	64	-14	31.2	8.25	11.0	Hale Center	77	-8	36.4	T.	T.
Blackville	79	-3	45.2	6.53	4.1	Ashwood	71	-14	38.0	7.73	7.0	Hallettsville	85	5	44.8	1.00	
Camden						Benton (near)	68	-16	34.6	5.79	8.0	Hewitt				1.00	
Central	73	-5	39.0	8.09	4.5	Bluff City						Honeygrove				0.21	1.0
Cheraw a	76	-9	39.2	10.19	12.0	Bristol	60	-20	29.6	4.91	8.0	Houston	78	6	45.4	3.08	T.
Cheraw b						Byrdstown	66	-19	29.8	6.61	7.5	Hulen	79	-7	48.5	2.83	
Clemson College	74	-7	39.7	7.93	4.5	Carthage	69	-15	30.7	6.52	7.0	Huntsville	78	-2	40.4	1.88	
Conway						Charleston						Jacksonville	76	-5	41.0	1.79	1.5
Darlington						Clarksville	69	-14	28.5	5.86	18.5	Jasper	80	3	44.6	2.30	2.5
Edisto						Clinton						Kent				0.04	0.5
Florence	76	-1	44.0	6.58	8.0	Decatur	66	-18	33.6	7.53	7.0	Kerrville	84	-2	39.8	0.25	T.
Gaffney						Franklin	69	-18	28.4	4.72	6.2	Lampasas	81	-2	38.1	0.25	
Georgetown	79	4	47.4	3.70	4.0	Grace ^a	65	-17	31.6	6.07	10.5	Llano ^a	81	-4	42.7	T.	T.
Gillisonville	80	0	48.6	5.80	8.8	Elk Valley	63	-19	29.6	7.00	8.0	Longview	73	-7	37.4	1.40	
Greenville	74	-5	37.8	7.43	4.2	Erasmus	67	-30	29.9	6.91	4.1	Luling	88	2	42.5	0.58	
Greenwood	73	-5	39.2	9.76	7.5	Florence	68	-16	30.6	8.48	5.0	Mann	73	-6	34.8	1.35	
Holland	71	-10	38.9	10.58	8.0	Franklin	69	-15	30.6	6.57	2.8	Marshall	72	-9	39.8	2.53	5.0
Kingstree a	76	6	45.0	4.34	7.0	Grace ^a	70	-20	32.0	6.70	13.0	Mount Blanco	75	-14	30.7	0.00	
Kingstree b						Greeneville	63	-14	31.8	6.62	4.0	New Braunfels	84	2	44.0	0.46	
Little Mountain	76	-4	42.0	8.09	7.5	Harriman	64	-12	31.6	8.98	3.0	Paris ^a	64	-12	35.6		
Longshore	76	-8	41.5	9.90	8.9	Hohenwald	70	-15	31.4	6.88	4.5	Point Isabel ^a	84	20	58.1	0.60	
Mount Carmel						Jackson	66	-13	31.1			Rheinland	79	-10	34.2	0.01	T.
Pinopolis ^a	71	2	46.8	4.12	6.5	Jonesboro ^a	58	-15	32.2	6.34	7.2	Rockport ^a	79	10	49.6		
St. Georges	78	0	45.2	4.67	6.5	Kingston						Runge	91	6	47.5	0.44	
St. Matthews	80	0	43.8	7.10	7.0	Lafayette ^a	62	-18	30.0	4.08	5.5	Sabine Pass	75	8	49.2	2.29	
St. Stephens						Lewisburg	64	-14	31.1	6.36	9.0	San Antonio	91	4	47.4	0.30	
Santuck	72	-11	29.4	8.51	7.2	Lynnyville	71	-13	31.8	8.11	6.0	Sanderson	79	2	35.8		
Shaws Fork	75	-11	43.2	7.48	4.5	McMinnville	71	-26	31.2	5.23	8.8	San Marcos	79	1	38.4	0.45	
Smiths Mills						Madison	76	-23	29.9	7.27	6.8	Sugarland				1.90	
Society Hill	74	0	42.0	10.21	10.0	Marysville ^a	66	-11	33.0	7.55	6.8	Sulphur Springs	76	-10	38.0	0.91	2.5
Spartanburg	72	-4	36.5	7.51	5.0	Newport	65	-16	33.6	7.29	6.0	Temple ^a	78	-4	39.0	0.97	T.
Statesburg	77	3	44.7	7.78	14.7	Nunnelly	70	-18	31.0	6.81	3.0	Temple ^b	75	-4	39.2	0.69	
Summerville	80	0	48.0	5.43	5.0	Oak Hill	70	-27	32.3	14.15	14.4	Topaz	76	-8	35.0	0.08	0.4
Temperance	78	-8	42.1	6.18	9.0	Palmetto	72	-18	32.4	5.56	9.0	Tulia	70	-23	39.4	0.10	1.0
Trenton	74	-4	45.6	12.80	9.0	Perryear ^a	60	-16	28.2	2.95	8.0	Tyler	64	-8	33.0	0.90	1.5
Trial	77	-8	44.4	5.48	8.0	Pope	68	-20	29.9	4.53	4.5	Utah				0.43	
Walhalla	73	-9	38.0	6.51	5.0	Rogersville	68	-17	31.2	5.97	8.8	Alpine	48	-13	25.2	1.40	14.0
Winnsboro	73	-3	40.6	8.67	13.0	Rugby	64	-19	32.4	8.67	7.0	Blue Creek ^a	48	-13	25.2	1.40	14.0
Yemassee	78	-4	47.8	6.01	8.0	St. Joseph	67	-18	31.9	6.65	2.5	Brigham	58	-23	29.0	1.73	
Yorkville	77	-3	40.8	8.71	6.9	Savannah	73	-8	33.2	5.92	5.0	Cisco	58	-23	29.0	0.85	8.5
<i>South Dakota.</i>						Silverlake	56	-16	29.7	6.84	8.0	Corinne	50	-13	28.0	0.80	8.0
Aberdeen	56	-85	4.5	0.04	0.4	Springdale	65	-24	31.7	5.99	6.0	Croydon	60	-34	24.9	2.95	29.5
Alexandria	62	-38	7.6	T.	Springfield	71	-22	28.6	5.35	8.5	Fillmore	59	-17	32.0	1.40		
Armour	61	-37	6.6	0.28	3.5	Sylvia	69	-20	30.8	4.77	2.5	Fort Duchesne	55	-19	23.7	0.40	4.0
Ashcroft	52	-40	8.4	0.35	3.5	Tazewell						Giles	67	-2	33.7	T.	
Bowdrie		-39		0.25	3.5	Tazewell						Grover	57	-20	31.6	0.15	1.5
Brookings	55	-41	5.0	0.21	2.1	Tazewell	68	-15	35.1	9.56	8.5	Heber	46	-38	20.0	5.85	58.5
Canton						Tazewell	65	-19	30.3	9.36	10.0	Huntsville				8.99	31.0
Centerville						Tazewell											

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Utah</i> —Cont'd.						<i>Washington</i> —Cont'd.						<i>Wisconsin</i> —Cont'd.					
Pinto	56	2	29.5	0.35	Ins.	Fort Spokane	53	-24	21.4	0.90	9.0	Hillsboro	48	-40	8.6	1.50	15.0
Promontory* ¹	51	2	25.6	0.50	5.0	Grandmound	56	-7	28.0	6.81	3.2	Knapp	44	-48	4.9	0.60	6.0
Provo	53	-17	29.8	2.89		Hooper	57	-7	28.0	2.59	10.6	Koepenick* ¹	46	-80	8.3	1.00	10.0
Richfield	70	-20	31.2	0.55	5.5	Kennicott	68	-6	22.2	1.22	8.8	Lancaster	48	-29	9.0	1.19	10.0
St. George	77	-1	43.2	T.	T.	Lacenter	56	9	27.0	9.38	8.0	Madison	49	-28	11.9	0.42	5.0
Scipio	52	-89	28.4			Lakeside	57	-3	26.8	1.32	8.0	Manitowoc	47	-29	12.1	0.98	4.5
Snowville	46	-18	24.9	1.28	12.0	Lind	54	-23	25.6	1.31	14.5	Meadow Valley	45	-44	5.2	0.70	10.0
Soldier Summit				3.80	38.0	Loomis	54	-11	25.2	0.50	5.0	Medford	45	-45	5.0	0.80	8.0
Terrace* ¹	42	-12	19.1	0.80	8.0	Madrone	56	6	26.4	2.69	12.0	Menasha				0.41	5.2
Thistle	49	-25	24.2	2.40	24.0	Mayfield	60	5	25.4	6.11		Neillsville	46	-46	4.6	1.11	8.0
Tooele	51	-9	30.2	1.29		Monteclaro	49	-3	24.9	15.07	81.2	New Holstein	46	-32	11.8	1.00	10.0
Tropic*	67	5	32.4	T.		Moxee Valley	54	10	29.8	0.44	2.8	New London	46	-37	8.5	1.18	6.5
Vernal	53	-14	25.6	0.55	5.8	New Whatcom	54	8	37.1	8.95	6.2	Oconto	48	-30	10.8	0.65	6.5
<i>Vermont</i> .						Northbend	52	12	28.8	11.06	12.0	Osceola	50	-47	3.5	0.52	18.0
Bennington	51	-18	20.8	3.88	20.0	Olga	53	10	37.2	3.92	8.0	Oshkosh	48	-33	12.1	0.55	
Brattleboro	50	-10	22.1	3.21	35.0	Olympia	56	5	39.0	5.99	9.0	Pepin	46	-42	5.7	0.80	10.0
Burlington	47	-10	21.0	1.24	12.0	Orcas Island	53	8	28.4	3.74	10.0	Pine River	48	-36	8.8	1.18	11.5
Chester	50	-18	15.8	1.95	21.0	Pinehill	60	-11	33.0	8.60	14.4	Portage	48	-27	11.8	0.52	6.0
Cornwall	50	-14	19.2	2.28	23.0	Pomeroy	50	-12	30.8	6.31	23.3	Port Washington	56	-29	15.4	0.70	1.0
Derby	51	-24	14.6	2.03	19.0	Port Townsend	57	10	38.8	2.56	5.8	Prairie du Chien	58 ²	-21	18.0	1.59	12.5
Encsburg Falls	48	-21	16.7	2.18	18.0	Pullman	49	-18	25.0	2.50	25.0	Prentice* ¹	44	-34	5.8	1.01	8.1
Hartland	49	-22	17.0	2.49	24.7	Rosalia	46	-11	28.4	1.64	10.7	Racine	55	-21	17.8	T.	T.
Jacksonville	47	-18	16.2	3.10	24.8	Sedro	53	9	24.8	8.42	7.0	Sharon	52	-26	12.6	1.13	9.0
Norwich	52	-23	16.5	2.59	20.5	Shoalwater Bay* ¹⁰	50	12	40.2			Shawano	49	-39	9.0	1.20	11.0
St. Johnsbury	47	-29	15.2	2.76	38.0	Silvana	54	3	34.8	8.51	23.0	Spooner	55	-45	6.2	1.60	16.0
Vernon* ⁶	45	-13	20.7	3.68	30.0	Snohomish	52	5	36.8	6.37	9.0	Stevens Point	47	-48	6.2	0.90	9.0
Wells	47	-18	17.7	1.87	17.5	Southbend	52	12	40.2	13.88	0.3	Sturgeon Bay Canal* ⁹	42	-35	10.0		
Woodstock	44	-30	14.7	2.70	33.5	Sunnyside	61	-6	30.0	0.50	3.8	Valley Junction	46	-44	6.8	1.34	12.5
<i>Virginia</i> .						Tunnel	38	10	25.6	22.80	236.0	Viroqua	45	-31	9.0	2.10	21.2
Alexandria	60	-12	27.6	6.09	30.3	Union City	54	11	38.0	7.31	11.5	Watertown	50	-27	12.8	0.45	4.5
Ashland	67	-6	31.1	4.60	17.8	Usk	48	-36	17.8	1.00	7.0	Waukesha	49	-28	13.4	0.77	3.8
Barbourville	63	-15	29.4	5.65	34.0	Vancouver	60	8	38.0	4.39	7.0	Waupaca	48	-38	7.8	1.25	18.0
Bedford City	63	-6	31.6			Vashon	54	9	38.1	4.20	8.0	Wausau	44	-40	7.0	1.15	11.5
Bigstone Gap	62	-10	30.1	6.32	9.5	Waterville	58	-14	23.5	1.25	13.5	West Bend	50	-28	13.8	T.	T.
Birdsnest* ¹	73	1	33.4	4.80	18.0	Wilbur	44	-22	23.5	8.37	33.7	Westfield	48	-35	10.4	1.00	10.0
Blacksburg	58	-11	27.4	6.43	12.0	<i>West Virginia</i> .						Whitehall	44	-26	6.0	1.20	12.0
Buckingham						Beckley						<i>Wyoming</i> .					
Burke's Garden	54	-15	27.0	7.71	10.0	Beverly	67	-18	26.0	4.87	30.0	Alcoa	49	-34	13.2	0.18	1.3
Callaville	68	-2	38.2	6.11	17.5	Bluefield	53	-14	28.4	6.48	12.1	Basin	43	-51	2.2	3.56	35.6
Christiansburg						Buckhannon a						Big Piney	42	-38	11.6	0.40	4.0
Clarksville						Buckhannon b	62	-31	24.9	5.03	27.5	Binford					
Clifton Forge	55	-4	28.0	5.88	36.0	Burlington	58	-17	23.3	4.30	30.0	Bitter Creek	55	-33	21.4	0.50	8.0
Coleman's Falls	64	-8	31.6	5.69	18.0	Charleston	65	-35	25.4	4.28	12.0	Burns	45	-38	10.0	2.30	23.0
Columbia						Dayton	60	-17	26.8	5.68	21.0	Carbon	39	-23	14.1	2.85	30.1
Dale Enterprise	58	-22	28.4	5.57	46.5	Eastbank	61	-12	29.6	6.09	9.3	Centennial	44	-34	13.2	5.90	59.0
Doswell	65	-10	24.6	4.68	24.0	Elkhorn	61	-27	24.2	4.51	20.2	Cody	55	-46	5.7	2.20	22.0
Dwale						Fairmont	58	-22	23.3	3.34	16.7	Dome Lake	32	-28	9.8	0.90	9.0
Farmville	61	-8	31.6	6.14	22.5	Glenville	62	-29	24.2	4.51	20.2	Evanston	42	-30	16.1	2.10	21.0
Fredericksburg	63	-21	29.2	6.79	35.0	Grafton	62	-27	26.4	3.43	13.5	Fort Laramie	50	-48	6.4	0.95	11.9
Grahams Forge	58 ^c	-12	27.6	4.81	12.7	Green Sulphur	60	-16	27.8	5.51	14.5	Fort Washakie	55	-35	9.6	0.35	3.5
Hampton	67	-4	36.0	8.18	15.0	Hamlin	65	-27	26.8	4.60	26.0	Fort Yellowstone	43	-30	10.8	3.40	34.0
Hot Springs	56	-14	25.4	5.86	13.0	Harper's Ferry	50	-21	27.0	4.80	34.6	Four Bear	50	-40	11.5	0.49	6.5
Leesburg	58	-10	26.6	3.88	27.0	Hinton a	61	-12	28.4	4.88	15.0	Hecla	49	-24	17.7	1.56	23.3
Lexington	58	-9	27.2	5.41	21.8	Hinton b	61	-27	26.4	4.37	21.0	Laramie	43	-40	9.4	1.13	11.3
Manassas	60	-21	32.2	5.65	34.5	Huntington	63	-24	26.6	5.53	21.5	Lovell		-51			
Marion	63	-15	29.5	3.52	21.8	Kingwood	62	-33	24.6	4.20	18.4	Lusk	45	-35	7.8	1.35	13.5
Miller School	63	-15	29.5	3.52	21.8	Marlinton	57	-23	26.4	5.32	27.5	Rawlins	39	-30	12.8	1.40	14.0
Monterey	50	-29	24.1	6.25	36.5	Martinsburg	55	-13	25.5	4.35	39.0	Sheridan	47	-45	5.2	1.52	15.2
Newport News	64	8	35.6	5.41	19.0	Morgantown	65	-25	26.0	5.67		Alabama.	54	-50	5.40	5.40	54.0
Petersburg	65	-8	33.2	5.57	21.5	New Cumberland	61	-25	18.8	2.25	12.0	California.	50	-39	4.9	0.90	9.0
Quantico	56	-20	34.4		18.0	New Martinsville	61	-25	26.6	2.61	13.5	Chino		-41	19.6	2.20	22.4
Radford						Nuttallburg	63	-21	27.6	4.50	26.0	Crescent City L. H.	61	-29	44.2	1.27	
Richmond (near)	87	-5	33.0	5.85	23.5	Oldfields	52	-25	23.0	4.43	26.0	Kono Tayee	61	-24	44.2	1.27	
Rockymount	63	-2	32.0	5.64	8.0	Parsons	61	-18	26.8	4.34	21.0	Mutah Flat		-36	17.2	0.90	9.0
Salem	67	-2	33.4	6.03	12.0	Philippi	68	-28	26.4	4.37	25.0	Point George L. H.		-36	10.8	3.40	34.0
Spears Ferry						Point Pleasant	69	-26	25.9	2.98	8.0	San Miguel Island	78	30	58.8	1.16	
Spotsylvania	71	-6	34.0	6.99	22.4	Powellton	66	-20	28.8	4.52	15.8	Sneddons Ranch		-36	17.2	0.90	9.0
Stanardsville	65	-12	28.6	4.43	22.0	Romney	56	-11	25.4	3.84	27.0	Tejon Ranch	73	30	48.1	0.87	
Stanton	58	-12	27.0	4.89	40.0	Rowlesburg	63	-28	27.2	3.80	23.0	Tamaico ²	61.9	-			
Stephens City	57	-17	25.2	4.91	39.0	Upper Tract	66	-28	27.2	4.21	29.2	Vera Cruz ²	67.0	-			
Sunbeam	73	-3	37.0	6.90	15.0	Weston a	64	-30	26.8	8.72	27.0	Porto Rico.		-			
Tobaccoville						Weston b	64	-30	26.8			Ponce ¹	84	68	74.2		
Warrenton	58	-9	28.6	7.67	54.0	Wheeling a	61	-1									

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		EXPLANATION OF SIGNS.
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Iowa.	o	o	o	Ins.	Ins.							• Extremes of temperature from observed readings of dry thermometer.
Albia	—	—	21.0									• Numerical following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:
Monticello	—	—	—	0.53	5.8	Jacksonville	o	o	o	Ins.	Ins.	1 Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.
Northwood	—	—	—	T.	T.							2 Mean of 8 a. m. + 8 p. m. + 3.
Kansas.												3 Mean of 7 a. m. + 7 p. m. + 2.
Hays	58	— 6	28.7	2.10	7.0							4 Mean of 6 a. m. + 6 p. m. + 2.
Wellington	62	3	33.0	2.25	5.0							5 Mean of 7 a. m. + 2 p. m. + 2.
Louisiana.												6 Mean of readings at various hours reduced to true daily mean by special tables.
Venice	77	82	52.0	4.55								7 Mean from hourly readings of thermograph.
White Sulphur Springs.	—	—	—	3.03	4.0							8 Mean of 7 a. m. + 2 p. m. + 9 p. m. + 3.
Maine.												9 Mean of sunrise and noon.
Petit Menan ^a	45	—12	28.7									10 Mean of sunrise, noon, sunset, and midnight.
Michigan.												
Owosso ^b	43	4	25.6	1.35	8.0							The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.
Montana.												An italic letter following the name of a station, as "Livingston a," "Livingston b," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance, "—" denotes 14 days missing.
Canyon Ferry	45	—15	17.0									No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.
Nebraska.												
Ord	—	—	—	0.48	—							
Palmer	—	—	—	T.	—							
Syracuse	—	—	—	1.04	7.5							
Nevada.												
Candelaria	68	4	35.4	0.28	2.8							
Carlin	—	—	—	0.17	0.2							
New York.												
Rome	45	—14	22.3	3.47	—							
North Carolina.												
Springhope ^a	65	12	41.2	3.20	—							
Ohio.												
Bement	—	—	—	1.87	6.1							
Cleveland ^b	—	—	—	2.17	8.8							
Hudson	—	—	—	2.72	8.5							
Somerset	58	—16	31.5	—	—							
Oregon.												
Burns (near)	52	— 4	25.4	—	—							
South Dakota.												
Millbank	50	—18	17.6	T.	T.							
Tennessee.												
Jackson	66 ^c	10 ^b	39.4 ^b	3.85	—							
Texas.												
College Station ^d	75 ^e	18 ^e	44.4 ^e	6.44	5.0							

Late reports for January, 1899.

EXPLANATION OF SIGNS.

• Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.

² Mean of 8 a. m. + 8 p. m. + 3.

³ Mean of 7 a. m. + 7 p. m. + 2.

⁴ Mean of 6 a. m. + 6 p. m. + 2.

⁵ Mean of 7 a. m. + 2 p. m. + 2.

⁶ Mean of readings at various hours reduced to true daily mean by special tables.

⁷ Mean from hourly readings of thermograph.

⁸ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 3.

⁹ Mean of sunrise and noon.

¹⁰ Mean of sunrise, noon, sunset, and midnight.

CORRECTIONS.

January, 1899, Carlin, Nev., make mean temperature 25.5° instead of 38.4°.

January, 1899, Witts Springs, Ark., make mean temperature 35.6° instead of 34.8°.

NOTE.—The following changes have been made in names of stations:

California, Lime Kiln changed to Lemoncove.

New York, Lake George changed to Caldwell.

TABLE III.—*Mean temperature for each hour of seventy-fifth meridian time, February, 1899.*

Stations.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midn't.	Mean.	
Bismarck, N. Dak.	-1.0	-2.3	-3.0	-3.5	-4.1	-4.5	-4.6	-4.9	-5.9	-5.0	-3.2	1.7	4.8	7.1	8.7	9.4	9.7	9.5	8.1	5.9	3.3	2.0	0.9	-0.1	1.2	
Boston, Mass.	23.8	23.8	23.0	22.7	22.5	22.3	22.5	23.5	24.8	26.3	28.1	29.7	30.9	31.9	32.1	31.3	30.1	28.8	27.5	26.9	26.2	25.9	25.5	25.2	25.5	
Buffalo, N. Y.	19.2	19.3	19.0	18.8	18.5	18.1	18.3	18.4	19.1	20.1	21.4	22.6	23.1	23.4	24.1	24.0	23.0	22.7	22.3	22.0	21.5	21.1	20.3	21.0	21.0	
Chicago, Ill.	16.7	16.1	15.3	14.7	14.5	13.9	13.6	13.7	13.4	14.4	15.7	17.6	18.9	19.9	20.9	21.5	21.8	21.4	20.9	20.4	19.5	18.9	18.3	17.7	17.5	
Cincinnati, Ohio	21.9	21.6	21.1	20.9	20.5	20.2	20.1	20.8	20.9	21.9	23.5	25.8	26.9	28.0	28.9	29.6	29.8	29.7	27.5	26.1	25.6	24.6	24.0	24.5	24.5	
Cleveland, Ohio	19.6	19.2	18.9	18.5	17.9	17.9	17.7	17.6	18.6	19.5	20.9	21.9	23.5	24.4	24.2	23.9	23.7	23.1	22.5	22.6	21.8	21.6	21.5	21.0	20.9	
Detroit, Mich.	17.3	16.9	16.6	16.2	16.2	15.9	15.9	15.9	16.2	17.6	19.2	20.6	22.6	23.6	24.0	24.3	24.3	23.2	22.2	21.1	20.1	19.3	18.7	18.1	19.4	
Dodge, Kans.	15.0	14.8	14.5	13.6	13.1	12.4	11.5	11.2	11.1	13.2	16.6	20.8	24.4	26.9	28.6	29.5	30.2	29.9	28.1	28.6	20.8	19.2	17.6	16.8	19.3	
Eastport, Me.	18.9	18.6	18.3	18.0	17.5	17.3	17.0	16.9	17.5	18.3	19.9	21.3	23.3	23.0	23.6	23.8	23.0	22.0	21.9	21.2	20.6	20.2	20.2	20.2	20.2	
Galveston, Tex.	47.3	47.1	46.7	46.5	46.3	46.2	45.9	46.0	45.9	46.8	47.8	48.8	49.6	50.4	51.0	51.4	50.8	49.6	49.5	48.9	48.7	49.9	48.4	48.3	48.3	
Havre, Mont.	1.6	1.3	1.1	0.9	0.8	0.7	0.8	0.4	-0.9	-0.4	0.6	2.0	3.4	4.7	6.0	6.5	7.1	7.2	5.8	4.1	3.8	3.3	3.0	3.0	3.0	
Kansas City, Mo.	18.0	17.6	16.9	16.0	15.6	14.6	14.1	13.6	13.2	14.1	16.0	18.4	20.5	21.4	22.4	23.5	25.6	24.5	23.2	22.0	21.2	20.4	19.4	19.3	19.3	
Key West, Fla.	68.2	68.0	67.7	67.7	67.5	67.3	67.5	69.1	70.1	71.0	72.0	72.7	73.0	73.7	72.3	71.5	70.4	69.7	69.7	68.8	68.5	68.2	68.6	68.6		
Marquette, Mich.	8.1	7.8	7.4	7.0	6.6	6.1	5.8	5.7	5.7	5.6	11.2	12.5	13.5	14.0	14.3	14.8	15.5	14.3	11.4	10.8	10.0	9.5	9.1	9.1	9.1	
Memphis, Tenn.	30.4	30.0	29.2	28.9	28.2	27.9	27.1	27.4	27.8	28.2	29.6	31.6	33.2	34.4	35.5	36.4	37.3	37.2	35.9	35.5	34.5	34.1	33.2	31.6	31.9	
Mt. Tamalpais, Cal.	46.2	45.9	45.9	45.7	45.3	44.7	44.3	44.2	44.4	44.2	45.0	45.5	47.0	48.0	49.5	50.7	51.1	51.2	49.8	48.3	47.2	46.7	46.9	46.9	46.9	
New Orleans, La.	47.0	46.5	46.1	45.6	45.2	44.9	44.6	44.6	44.7	46.1	48.2	49.9	51.3	52.2	53.1	53.4	54.1	55.3	55.1	51.6	50.3	49.4	48.6	48.1	48.8	
New York, N. Y.	34.9	34.5	34.2	34.0	33.8	33.5	33.3	33.5	33.5	33.3	35.2	37.1	39.0	39.3	39.7	39.1	38.7	38.6	38.3	37.7	37.0	36.3	36.2	36.7		
Philadelphia, Pa.	24.3	25.9	25.5	25.0	24.6	24.2	24.1	24.2	24.2	25.3	26.9	27.7	28.9	29.6	30.6	31.5	31.9	31.5	30.6	29.5	29.0	28.5	27.6	27.7		
Pittsburg, Pa.	23.5	23.0	22.3	22.0	21.5	21.1	21.2	21.6	22.5	23.6	25.4	26.8	27.9	29.0	29.7	29.9	29.8	29.1	28.4	27.5	26.6	25.7	25.4	25.4		
Portland, Oreg.	39.0	37.7	37.8	37.3	37.2	36.8	36.5	36.4	36.1	36.1	36.3	36.8	38.1	39.6	40.8	41.6	42.4	43.0	43.5	42.8	41.9	40.7	39.9	39.9	39.9	
St. Louis, Mo.	32.1	31.6	31.0	29.6	19.9	19.4	18.9	18.8	18.0	20.0	21.9	24.2	25.8	27.2	28.2	29.1	29.2	28.8	27.9	26.5	25.7	25.0	24.4	23.5	23.7	
St. Paul, Minn.	7.1	6.4	5.6	4.9	4.2	3.6	2.8	2.1	1.9	2.3	4.1	5.4	8.5	10.2	11.9	12.7	13.3	13.2	12.4	11.2	10.4	9.5	8.4	7.8	7.5	
Salt Lake City, Utah.	27.8	27.3	26.6	26.1	25.5	25.1	25.1	25.6	25.4	25.2	25.9	26.8	28.6	30.5	32.0	32.8	33.9	34.0	34.7	33.7	33.1	30.4	29.4	28.2	29.1	
San Diego, Cal.	51.6	51.0	50.4	49.8	49.8	48.3	48.4	48.0	48.2	49.3	51.8	54.3	56.0	57.4	58.1	58.4	58.2	57.9	56.7	55.3	54.4	53.5	53.0	53.0		
San Francisco, Cal.	50.1	49.8	49.5	49.0	48.8	48.4	48.0	47.5	46.8	46.4	48.0	48.8	50.1	51.6	52.8	54.4	55.4	56.4	56.7	55.3	54.4	52.6	51.5	51.2	50.8	
Santa Fe, N. Mex.	26.0	25.1	24.3	23.3	22.4	21.7	21.0	20.6	19.7	21.5	25.2	27.7	30.2	32.1	34.1	35.8	36.5	35.4	33.1	30.0	28.9	28.1	27.0	27.8		
Savannah, Ga.	47.6	47.0	46.8	46.3	45.5	44.8	44.5	44.7	46.2	46.6	51.0	53.5	55.1	56.9	57.7	57.8	58.6	58.2	51.0	49.8	49.5	48.8	48.8	50.1	50.1	
Washington, D. C.	24.7	24.4	23.5	23.2	23.2	22.4	21.9	22.9	24.5	27.0	29.2	30.4	31.8	33.5	33.2	32.6	31.2	29.9	29.2	28.1	27.6	26.8	26.4	27.5		
<i>West Indies.</i>																										
Basseterre, St. Kitts.	74.2	73.8	73.4	73.7	73.9	74.1	73.8	75.9	77.5	78.1	78.6	80.0	80.4	80.4	80.5	80.4	79.2	77.9	76.2	74.8	74.4	74.1	73.9	73.7	75.7	
Bridgetown, Bar.	72.6	72.4	72.4	72.5	72.6	73.0	75.0	77.0	78.9	79.2	80.8	80.5	80.4	80.4	80.5	80.5	79.7	78.8	78.5	78.6	78.2	78.0	77.8	78.8		
Colon, U. S. C.	77.4	77.3	77.0	76.9	76.4	76.3	76.4	76.7	77.5	78.0	81.9	81.9	81.8	81.5	80.9	80.5	80.5	79.7	78.8	78.2	78.0	77.8	77.6	77.6		
Havana, Cuba.	68.5	67.9	67.5	67.2	66.7	66.8	67.0	67.7	67.9	70.5	73.5	75.6	76.9	77.2	77.4	77.2	76.0	75.3	74.0	72.8	71.1	70.8	69.9	69.0	71.6	
Kingston, Jamaica	69.0	68.6	68.6	68.2	68.2	68.2	67.8	67.8	67.1	67.1	70.1	71.8	71.0	71.8	71.8	71.8	71.0	70.4	70.4	70.0	69.4	69.4	69.4	69.4		
Port of Spain, Trin.	71.4	70.0	70.8	70.5	70.6	71.0	74.5	74.8	74.2	80.0	81.6	82.5	83.0	84.0	83.7	82.8	81.4	79.1	76.4	75.2	74.5	73.8	73.0	74.4		
San Juan, P. R.	71.6	71.1	70.6	70.4	70.1	70.2	71.9	74.6	77.1	78.6	79.4	79.5	80.0	80.0	79.5	78.5	77.0	75.6	74.8	74.1	73.8	72.8	72.0	73.8		
Santiago de Cuba.	70.6	69.9	69.2	68.9	68.4	68.2	68.5	72.1	76.5	79.9	82.3	83.8	83.8	83.6	83.0	81.8	81.8	77.9	75.2	74.1	73.8	74.2	74.1	74.4		
Santo Domingo, S. D.	68.1	67.8	66.9	66.2	66.3	66.0	66.8	71.5	75.8	79.0	80.8	80.8	80.8	80.2	79.5	78.3	76.9	75.7	74.4	72.6	71.0	69.8	68.9	73.5		
Willemstad, Curaçao	75.0	74.8	74.5	74.6	74.7	76.2	77.2	78.1	79.0	80.5	80.6	80.6	80.0	79.4	77.4	76.7	76.2	76.0	75.9	75.8	75.2	75.0	74.9	74.9		
<i>West Indies.</i>																										
Basseterre, St. Kitts.	30.035	.019	.011	.011	.018	.031	.030	.030	.038	.078	.081	.072	.051	.038	.018	.009	.008	.011	.019	.034	.050	.060	.062	.060	.051	.039
Bridgetown, Bar.	29.944	.938	.936	.941	.956	.929	.934	.901	.006	.999	.988	.962	.945	.932	.931	.936	.943	.951	.954	.954	.954	.954	.954	.954	.954	.954
Colon, U. S. C.	29.847	.835	.832	.818	.819	.825	.849	.865	.880	.885	.880	.866	.844	.824	.804	.795	.794	.801	.814	.834	.848	.857	.860	.859	.859	.859
Havana, Cuba.	29.991	.963	.976	.973	.974	.962	.967	.009	.023	.024	.021	.016	.019	.027	.036	.051	.061	.063	.071	.082	.092	.093	.094	.094	.094	
Kingston, Jamaica.	29.711	.937	.960	.958	.955	.950	.946	.947	.948	.949	.947	.948	.949	.948	.949	.948</td										

TABLE V.—Average wind movement for each hour of seventy-fifth meridian time, February, 1899.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.	
Abilene, Tex.	10.4	10.3	10.1	9.8	10.6	11.1	11.2	11.3	10.6	11.5	13.3	18.8	14.2	18.3	12.9	12.8	12.4	11.7	11.6	9.9	9.0	8.7	9.3	9.9	11.2	
Albany, N. Y.	6.7	6.9	6.5	6.5	6.8	6.1	6.6	7.0	7.8	8.0	9.5	10.4	10.3	11.0	10.8	10.2	9.3	8.4	7.5	8.1	7.8	7.3	6.6	7.2	8.1	
Alpena, Mich.	8.9	8.4	8.4	8.5	8.2	8.0	8.4	8.2	9.1	10.2	10.4	10.1	10.8	11.1	11.1	11.0	10.0	9.2	8.8	7.9	8.5	8.6	9.2			
Amarillo, Tex.	16.2	16.3	16.2	16.5	15.7	14.5	18.3	12.9	11.7	11.6	13.2	14.2	15.2	15.6	16.2	17.0	16.9	16.3	14.9	15.8	16.6	16.4	15.7	15.2		
Atlanta, Ga.	11.3	12.1	12.0	11.8	11.0	10.9	10.2	10.8	10.0	10.5	10.9	11.9	13.1	13.1	13.5	13.2	12.6	11.8	10.6	10.9	10.9	10.9	10.2	11.2	11.5	
Atlantic City, N. J.	18.3	18.8	18.8	18.4	18.2	18.8	18.4	18.2	18.9	14.3	18.9	18.0	13.9	14.6	14.5	14.5	14.2	13.6	13.7	14.1	13.4	12.9	18.1	18.2	18.4	
Augusta, Ga.	6.9	6.8	6.1	6.3	6.6	6.8	6.7	6.7	6.8	7.3	8.7	10.0	11.4	11.0	11.8	12.0	11.2	9.8	8.1	7.7	7.3	7.0	6.8	7.1	8.2	
Baker City, Oreg.	4.9	4.8	4.5	4.6	4.9	5.7	5.4	5.6	5.6	5.9	5.7	5.4	5.2	5.1	4.8	5.1	5.2	4.5	4.4	4.4	3.5	3.7	4.0	4.1	4.9	
Baltimore, Md.	5.8	5.1	4.7	4.8	5.1	4.7	4.9	5.5	5.9	6.5	7.1	7.5	7.6	7.2	7.2	6.2	6.3	5.6	5.4	5.1	5.2	5.5	5.9			
Bismarck, N. Dak.	9.8	8.6	9.1	9.8	9.7	9.4	9.5	9.4	8.1	8.5	10.9	12.1	13.9	14.5	15.5	16.1	15.9	14.3	13.2	10.6	9.5	8.6	9.3	9.6	11.1	
Block Island, R. I.	17.2	17.5	18.8	19.4	20.1	20.1	19.0	18.0	18.2	18.9	18.2	18.0	18.1	18.0	17.8	17.5	16.9	16.2	17.4	17.2	17.6	18.4	18.0	17.3	18.1	
Boise, Idaho	9.6	9.3	8.7	8.6	8.5	8.6	8.4	8.0	8.2	8.4	8.4	8.5	8.4	8.0	8.1	8.0	7.8	7.5	7.1	6.9	6.4	6.2	6.9	7.0	7.4	
Boston, Mass.	12.5	12.1	12.5	12.3	12.2	12.4	12.6	13.1	13.8	14.2	14.0	13.8	13.7	14.0	14.1	14.0	14.4	12.9	13.1	12.4	11.8	12.4	12.0	13.0		
Buffalo, N. Y.	15.5	15.1	14.4	14.3	14.6	15.8	15.5	15.0	15.4	15.8	17.1	16.9	18.7	18.5	19.3	18.4	17.4	16.2	15.7	15.5	15.9	15.8	16.2			
Cairo, Ill.	9.8	10.1	9.9	10.1	10.1	10.4	10.6	10.6	11.0	11.5	11.4	11.9	12.8	12.6	12.6	12.3	12.2	10.8	11.1	11.3	10.6	10.1	11.1			
Cape Henry, Va.	15.4	15.4	16.2	16.7	17.0	17.2	17.0	16.4	15.7	16.5	17.1	16.9	16.0	15.8	15.0	15.1	15.4	15.3	14.9	15.1	15.8	15.2	15.1	15.9		
Carson City, Nev.	7.6	7.1	6.1	5.8	5.6	5.8	5.1	4.5	4.5	4.8	4.5	4.2	5.5	5.8	6.0	6.1	5.6	5.1	5.6	5.1	5.6	5.0	5.7	5.1	7.1	
Charleston, S. C.	12.1	11.5	12.1	12.2	11.8	11.8	10.8	10.8	11.7	13.0	13.7	13.4	13.7	13.6	14.0	14.5	14.0	13.1	12.2	12.3	13.1	12.2	12.8	12.0	12.7	
Charlotte, N. C.	8.1	7.7	7.8	7.8	8.0	8.3	8.1	8.2	9.1	10.1	10.2	10.1	10.2	11.0	11.7	11.0	10.4	8.5	8.0	8.0	8.1	8.0	8.1	9.0	9.3	
Chattanooga, Tenn.	9.8	9.4	9.8	9.2	8.2	7.9	8.1	7.8	8.3	8.2	9.4	10.3	10.7	10.5	10.9	11.6	10.2	9.9	9.2	8.8	9.0	9.4	8.8	9.3		
Cheyenne, Wyo.	12.8	13.0	12.5	12.8	13.4	12.8	12.8	13.4	11.8	12.0	12.1	14.3	15.9	15.5	15.1	15.4	15.3	14.0	12.2	10.8	11.4	12.8	12.5	13.2		
Chicago, Ill.	18.4	18.1	18.1	17.9	18.4	19.2	18.7	18.5	17.7	17.3	17.9	18.4	18.0	17.5	18.5	18.4	18.4	17.6	17.9	18.2	18.3	18.1				
Cincinnati, Ohio	8.7	8.8	8.0	7.9	7.6	7.3	7.4	8.2	8.4	9.1	9.6	10.0	11.2	11.4	11.0	11.8	11.5	10.3	9.8	9.9	9.4	9.2	9.4	9.4	9.6	
Cleveland, Ohio	14.8	14.5	14.9	14.9	15.0	15.0	14.8	15.2	16.3	16.8	16.9	16.6	16.3	16.7	17.4	17.2	16.5	15.8	15.1	14.9	14.5	14.2	14.9	15.6		
Columbia, Mo.	9.8	8.8	8.8	7.8	8.0	8.1	8.1	8.6	8.7	9.7	11.3	11.5	12.0	12.0	12.1	11.6	11.3	9.9	9.2	8.9	8.8	8.7	9.2	9.6		
Columbus, Ohio	7.6	7.8	8.2	7.6	7.9	8.0	8.1	7.9	8.2	8.7	9.5	10.2	10.7	11.5	11.4	11.2	10.8	10.2	9.3	8.2	8.6	8.3	8.2	8.8		
Concordia, Kans.	6.9	7.2	6.8	6.6	6.6	6.5	6.2	6.4	6.8	6.9	8.2	8.8	9.2	9.7	9.8	9.8	9.4	9.0	7.7	6.0	6.8	6.5	6.5	7.5		
Corpus Christi, Tex.	10.7	10.8	10.4	10.4	10.6	10.7	10.7	10.7	10.9	11.0	11.9	11.9	12.4	12.5	12.8	13.5	13.1	12.2	11.4	10.6	10.1	11.1	10.8			
Davenport, Iowa	8.1	7.5	7.2	7.3	7.1	7.2	7.0	7.0	7.7	8.4	8.4	9.6	9.9	10.6	11.1	11.2	11.3	10.7	9.6	8.8	8.0	7.8	7.9	8.6		
Denver, Colo.	8.0	8.4	8.8	8.8	8.7	7.8	7.5	7.8	7.6	7.8	8.5	9.0	10.6	12.1	12.0	12.3	11.0	8.5	8.9	7.2	7.3	8.8	8.9			
Des Moines, Iowa	8.5	8.1	8.0	7.7	7.5	7.4	7.4	8.0	8.2	8.7	9.4	9.6	10.4	10.5	11.1	11.0	11.6	10.6	9.6	8.1	8.1	8.1	7.9	8.9		
Detroit, Mich.	9.9	9.7	9.9	9.8	9.6	9.9	9.8	10.0	10.1	11.1	11.6	12.1	12.1	12.8	12.8	13.6	13.1	12.1	10.9	11.4	11.2	11.6	10.8	9.7	11.0	
Dodge, Kans.	10.2	10.7	10.9	10.0	10.3	10.2	9.3	8.5	8.8	10.4	11.8	11.7	11.9	11.6	12.5	12.5	12.4	10.9	9.3	9.1	9.1	8.9	9.8	10.5		
Dubuque, Iowa	7.1	6.9	6.9	6.2	6.5	6.5	7.2	6.9	7.2	8.3	8.3	9.3	9.9	11.1	10.9	10.9	10.2	8.8	7.8	7.9	7.5	7.1	8.2	8.3		
Duluth, Minn.	11.6	12.3	12.1	12.2	12.4	11.6	11.1	10.7	10.5	10.7	10.3	9.6	10.4	10.9	10.9	10.7	10.6	9.8	8.9	9.4	9.5	9.9	10.2	10.7		
Eastport, Me.	12.1	12.6	18.2	18.3	18.4	12.6	12.6	12.8	12.9	13.0	18.2	18.5	18.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5		
El Paso, Tex.	13.9	18.4	13.2	14.3	15.3	13.0	13.0	13.1	11.6	12.5	12.5	13.5	16.0	17.4	18.2	20.4	22.1	22.5	19.8	14.3	14.2	13.8	15.6			
Erie, Pa.	10.1	10.7	10.2	10.8	10.6	10.9	10.9	10.9	11.9	12.5	12.7	12.6	12.8	13.2	13.2	12.6	11.6	11.4	10.9	10.1	9.6	10.0	11.4			
Escanaba, Mich.	6.8	6.8	6.8	6.8	6.8	7.1	7.4	7.3	7.0	7.7	7.6	8.3	9.1	10.0	10.3	9.8	9.9	10.1	9.6	9.1	8.8	7.5	7.2	8.1		
Eureka, Cal.	6.9	5.8	5.0	4.5	4.0	4.2	4.3	4.9	4.8	4.2	4.3	4.6	4.2	4.0	3.6	6.6	6.2	10.5	11.4	9.9	8.9	8.2	7.7	6.6	6.6	
Evansville, Ind.	8.8	8.6	8.4	8.1	7.8	7.7	7.9	8.0	8.9	9.5	10.2	10.2	10.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.1	
Fort Canby, Wash.	16.2	17.3	16.8	17.6	18.1	17.5	17.4	17.5	16.5	15.6	16.1	15.9	16.0	17.1	16.8	17.2	17.0	17.1	16.8	16.1	16.2	16.6	15.8	16.7		
Fort Smith, Ark.	6.1	6.5	7.0	7.4	7.2	7.8	7.5	7.8	8.0	9.1	9.4	9.0	9.2	8.8	9.0	10.0	10.2	9.4	8.8	7.9	6.6	6.1	7.9			
Fresno, Cal.	8.8	8.4	8.2	8.4	8.2	8.3	8.4	8.5	8.3	8.5	8.3	8.8	9.1	9.1	9.1	9.1	9.1	9.1	8.0	8.4	8.6	8.4	8.6	8.7	8.7	
Galveston, Tex.	11.1	11.0	11.1	11.1	10.9	11.6	11.5	11.6	11.5	12.0	12.9	12.5	12.6	11.9	11.2	11.1	11.1	10.6	10.6	11.1	10.9	11.3	11.7	11.4		
Grand Haven, Mich.	9.3	8.5	8.8	8.7	8.4	8.7	9.0	9.3	9.9	10.4	11.0	10.9	11.1	11.3	11.2	11.6	11.8	10.5	9.7	9.7	9.8	10.1	10.0	10.0		
Grand Junction, Colo.	8.6	4.0	4.7	4.1	4.1	3.9	3.5	3.2	4.0	4.1	4.7	5.3	6.1	7.0	7.5	7.1	7.9	8.0	7.2	5.8	4.2	3.7	5.0			
Green Bay, Wis.	7.4	7.4	7.5	6.9																						

TABLE V.—Average wind movement, etc.—Continued.

Stations.	Wind.												Wind.												Midnight.					
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.							
Norfolk, Va.	10.7	10.0	10.5	10.6	10.6	10.5	11.0	10.2	9.7	10.7	11.0	11.9	12.6	13.5	12.7	13.2	12.8	11.8	11.8	11.2	11.4	11.0	11.0	10.6	11.3					
Northfield, Vt.	8.2	8.1	7.8	8.3	7.7	8.3	6.7	6.1	7.0	8.2	9.6	9.9	11.0	13.1	13.7	12.9	11.0	9.5	9.7	9.1	9.3	9.5	9.3	8.9	9.3	9.3				
North Platte, Nebr.	7.0	7.0	7.0	8.0	7.5	7.9	8.8	8.5	8.8	9.0	9.4	11.1	12.2	12.0	13.1	12.5	11.2	12.5	11.1	9.1	7.8	8.2	7.5	7.0	9.4	9.4				
Oklahoma, Okla.	10.2	11.0	11.5	11.4	10.6	10.2	10.0	10.1	9.8	10.7	12.6	13.0	12.9	12.6	12.3	12.4	12.4	11.2	10.8	10.2	9.9	9.9	10.0	11.2	10.0	11.2				
Omaha, Nebr.	7.3	7.7	7.5	7.7	7.8	7.8	7.8	7.8	7.8	7.8	8.3	8.7	9.0	9.1	9.4	9.8	9.7	9.4	9.4	8.4	7.8	7.9	8.2	8.3	7.8	8.3	8.3			
Oswego, N. Y.	12.6	12.1	11.2	11.1	11.2	11.6	11.7	11.5	11.2	10.9	11.0	11.0	12.5	12.5	12.1	11.8	11.7	11.8	12.1	12.1	12.2	12.1	12.2	12.6	11.8	11.8				
Palestine, Tex.	6.7	7.5	7.4	7.8	7.9	8.0	8.3	8.1	7.9	9.3	9.6	10.3	10.3	10.0	9.8	10.1	10.3	9.7	9.7	7.4	6.6	7.0	7.3	6.8	6.8	8.5	8.5			
Parkersburg, W. Va.	6.4	6.3	6.1	6.0	6.2	6.3	6.4	5.7	6.5	7.9	8.0	8.2	9.3	9.5	8.7	8.2	6.4	6.6	6.3	6.5	6.5	6.2	7.1	7.1	7.1	7.1				
Pensacola, Fla.	10.4	10.2	10.5	9.8	10.9	11.4	10.1	10.7	10.0	11.4	11.8	11.8	11.6	12.9	12.4	12.4	11.6	10.8	8.9	8.8	9.9	10.5	10.4	10.9	10.9	10.9				
Phoenix, Ariz.	4.6	4.5	4.8	4.7	4.4	4.1	4.6	4.6	4.0	4.2	5.0	5.0	5.9	6.4	5.8	5.9	6.1	6.0	4.5	3.8	3.8	4.4	4.5	3.8	4.8	4.8	4.8			
Philadelphia, Pa.	11.3	11.8	11.3	11.3	10.8	10.5	11.3	10.8	11.3	12.0	12.4	12.7	13.0	13.0	12.9	12.3	11.8	10.9	11.0	10.8	11.1	11.0	11.1	12.0	11.6	11.6				
Pierre, S. Dak.	9.2	9.2	8.9	9.2	9.2	9.6	9.7	9.8	9.5	9.8	11.2	13.1	13.6	14.2	15.2	16.0	16.6	15.4	12.8	11.2	10.5	11.0	10.0	8.9	11.4	11.4	11.4			
Pittsburg, Pa.	5.9	6.5	6.5	6.5	6.8	7.1	7.1	6.3	6.9	7.5	7.9	8.4	9.1	8.6	8.5	8.4	8.2	7.9	7.3	7.5	6.9	7.1	6.4	5.9	7.3	7.3	7.3			
Point Reyes Lt., Cal.	30.5	30.2	29.5	28.6	27.9	26.3	25.1	23.3	22.9	22.6	22.3	23.0	21.9	22.6	23.4	25.0	26.0	27.6	29.0	30.3	31.2	31.6	30.4	26.4	26.4	26.4	26.4			
Port Crescent, Wash.	4.9	4.9	4.7	4.9	4.8	5.1	5.1	5.3	5.8	5.2	5.0	5.3	5.0	5.7	6.0	5.9	6.1	6.6	5.8	5.4	5.1	5.8	4.9	5.4	5.3	5.3	5.3			
Port Huron, Mich.	10.9	11.2	10.5	10.3	9.8	10.4	10.3	10.4	10.9	12.0	12.7	12.7	13.1	13.4	14.1	13.8	13.5	11.7	11.2	10.9	11.0	10.7	11.8	11.8	11.6	11.6				
Portland, Me.	7.4	7.5	7.9	7.6	7.6	7.5	7.8	7.8	8.0	8.3	8.3	8.5	8.5	8.9	9.0	8.7	8.3	8.2	7.2	7.6	8.1	7.4	7.2	7.9	7.9	7.9	7.9			
Portland, Oreg.	10.2	10.5	10.8	10.7	10.8	10.4	10.8	11.2	10.6	11.2	9.9	10.9	12.4	13.8	13.3	12.6	11.8	12.1	12.1	13.5	12.5	11.6	11.7	10.8	11.4	11.4				
Pueblo, Colo.	5.0	4.8	4.3	4.2	4.1	4.3	4.0	4.3	4.5	4.6	4.8	5.2	5.3	5.9	5.9	5.9	5.9	5.9	5.1	6.0	5.4	5.4	5.3	6.3	6.3	6.3	6.3			
Raleigh, N. C.	6.9	7.4	7.3	6.9	7.0	6.8	6.4	7.5	8.4	8.6	9.0	9.5	9.5	9.0	9.0	9.5	9.6	8.6	7.2	7.2	6.8	7.2	7.4	7.8	7.8	7.8	7.8			
Rapid City, S. Dak.	6.6	6.9	6.6	7.6	7.1	7.3	7.8	6.9	7.0	7.4	7.7	8.0	8.8	8.9	9.1	9.5	9.8	9.1	8.9	7.6	6.8	5.6	5.6	6.1	7.6	7.6	7.6	7.6		
Red Bluff, Cal.	8.5	7.8	7.6	7.8	8.0	7.3	7.9	7.7	7.8	7.4	7.1	7.4	9.2	9.1	10.0	10.8	10.6	10.2	9.9	10.1	8.9	8.9	8.9	8.5	8.6	8.6	8.6	8.6		
Richmond, Va.	6.7	6.5	6.2	6.3	6.4	6.4	6.2	6.7	7.4	8.4	8.3	8.3	7.9	7.7	8.3	8.0	8.6	7.8	7.0	6.4	6.5	5.9	7.0	7.0	7.0	7.0	7.0	7.0		
Rochester, N. Y.	9.0	8.6	9.1	8.6	8.4	8.7	9.1	9.1	9.9	10.4	11.1	10.0	11.2	11.0	11.4	10.9	10.9	10.7	9.9	9.2	8.9	9.2	9.2	9.7	9.7	9.7	9.7	9.7		
Roseburg, Oreg.	2.9	3.2	3.0	2.9	3.1	3.1	2.9	2.9	3.3	3.0	3.0	3.3	3.4	3.2	3.6	3.5	4.5	4.7	5.6	4.9	4.7	3.0	3.0	2.8	3.5	3.5	3.5	3.5		
Sacramento, Cal.	9.9	9.7	9.5	9.0	8.9	8.3	8.6	8.8	8.8	8.6	9.3	10.5	10.6	11.5	12.2	12.8	12.8	12.5	12.1	11.1	10.0	10.0	9.9	9.1	10.2	10.2	10.2	10.2		
St. Louis, Mo.	10.7	11.1	11.2	11.2	12.1	11.1	11.0	10.6	10.5	10.8	11.4	11.5	12.5	12.8	12.6	13.9	13.4	12.2	11.9	11.2	11.4	11.5	11.1	10.8	11.6	11.6	11.6			
St. Paul, Minn.	7.4	7.1	7.4	7.2	7.6	7.2	7.2	7.8	7.5	8.4	9.3	9.9	10.5	11.0	11.4	10.8	11.1	10.4	8.9	8.4	8.0	8.4	8.0	7.7	8.7	8.7	8.7	8.7		
Salt Lake City, Utah.	4.8	4.4	4.5	4.3	4.5	4.1	3.6	3.7	3.4	3.5	4.4	5.0	5.0	7.2	7.2	7.5	7.2	6.4	5.9	4.9	4.0	3.8	3.9	4.6	5.0	5.0	5.0	5.0		
San Antonio, Tex.	8.8	8.0	7.9	8.3	8.5	8.7	8.8	8.6	10.2	11.9	12.6	12.9	13.5	13.3	12.9	12.9	12.1	12.1	10.9	10.2	10.0	10.1	9.5	10.5	10.5	10.5	10.5			
San Diego, Cal.	4.7	4.6	4.4	4.2	5.1	5.1	4.8	4.4	4.3	4.8	4.6	4.6	4.9	5.7	7.2	8.8	9.8	10.4	10.6	9.5	8.1	6.2	5.1	4.6	6.1	6.1	6.1	6.1		
Sandusky, Ohio.	8.2	8.1	7.9	8.0	8.5	7.9	7.6	8.6	8.5	8.9	9.4	9.2	9.9	10.0	9.7	9.4	9.1	8.4	8.0	7.3	7.8	7.8	8.7	9.1	8.6	8.6	8.6	8.6		
San Francisco, Cal.	8.3	7.2	6.8	6.6	6.4	6.4	6.2	6.7	7.4	8.4	8.3	8.3	8.9	9.0	9.5	9.5	9.5	12.4	13.2	13.0	13.6	13.8	13.8	13.7	13.7	13.7	13.7			
San Luis Obispo, Cal.	3.4	8.7	3.8	4.0	4.8	4.3	4.5	4.7	4.3	4.8	4.5	6.1	8.1	8.0	8.6	9.1	9.8	9.0	8.4	4.7	4.3	4.1	6.0	6.0	6.0	6.0	6.0	6.0		
Santa Fe, N. Mex.	5.5	4.8	5.1	5.0	4.2	4.3	4.6	5.1	5.2	5.6	6.8	8.7	10.8	10.0	10.7	11.9	12.5	12.9	12.6	12.8	12.4	12.6	12.6	5.9	7.5	7.5	7.5	7.5		
Sault Ste. Marie, Mich.	5.9	5.5	6.2	6.1	5.8	6.2	5.9	6.0	5.8	6.1	6.9	7.9	9.3	9.8	11.6	12.1	11.4	10.2	8.6	8.4	7.4	6.6	6.1	7.6	7.6	7.6	7.6	7.6		
Savannah, Ga.	10.1	9.0	9.4	8.8	8.9	8.6	7.9	8.5	10.0	10.7	11.0	10.9	11.7	11.6	11.9	11.7	11.6	11.0	10.7	9.9	10.4	10.0	10.6	10.3	10.2	10.2	10.2	10.2		
Seattle, Wash.	6.6	6.9	7.5	6.5	6.8	7.0	6.5	7.1	7.0	6.4	6.8	6.9	7.4	8.1	8.5	8.5	8.5	8.5	8.5	8.5	7.9	8.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3	
Shreveport, La.	8.0	7.8	8.0	8.2	8.2	8.1	8.0	8.7	8.9	9.1	10.2	10.2	10.2	10.2	10.2	9.7	9.8	9.8	9.6	9.6	9.1	7.8	6.6	6.7	7.6	8.6	8.6	8.6	8.6	8.6
Sioux City, Iowa.	10.4	11.8	11.6	11.6	11.6	11.5	11.5	11.8	11.5	11.8	12.3	12.0	11.8	11.1	11.1	11.7	12.7	12.7	12.7	12.2	11.8	11.1	10.9	10.6	13.3	13.3	13.3	13.3		
Spokane, Wash.	7.6	7.9	8.3	8.2	7.4	7.1	6.9	6.9	6.4	7.0	7.5	6.9	7.1	7.4	8.8	9.2	9.5	8.9	8.4	8.1	7.8	8.0	7.1	7.8	7.8	7.8	7.8	7.8		
Springfield, Ill.	10.1	10.2	10.0	10.3	9.9	9.6	9.3	9.7	9.9	10.4	10.1	10.3	12.0	12.8	13.1	13.9	14.0	11.8	10.5	10.8	10.1	10.9	10.2	10.7	10.7	10.7	10.7			
Springfield, Mo.	11.8	11.5	11.3	11.4																										

TABLE VI.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of February, 1899.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>													
Eastport, Me.	16	9	8	33	n. 74 w.	26	Upper Mississippi Valley.	Hours.	Hours.	Hours.	Hours.	o	Hours.
Portland, Me.	18	12	3	35	n. 79 w.	33	St. Paul, Minn.	17	15	9	38	n. 85 w.	24
Northfield, Vt.	19	31	2	10	s. 34 w.	14	La Crosse, Wis. f.	5	14	3	14	s. 51 w.	14
Boston, Mass.	14	12	6	33	n. 86 w.	27	Davenport, Iowa.	16	15	5	26	n. 87 w.	21
Nantucket, Mass.	24	10	9	27	n. 48 w.	24	Des Moines, Iowa.	30	10	8	21	n. 33 w.	24
Woods Hole, Mass.	21	12	8	25	n. 62 w.	19	Dubuque, Iowa.	18	17	6	29	n. 88 w.	23
Block Island, R. I.	27	8	8	25	n. 42 w.	26	Keokuk, Iowa.	22	16	5	28	n. 75 w.	24
New Haven, Conn.	26	12	6	22	n. 49 w.	21	Cairo, Ill.	22	18	10	17	n. 60 w.	8
<i>Middle Atlantic States.</i>							Springfield, Ill.	24	16	7	21	n. 60 w.	16
Albany, N. Y.	20	19	4	18	n. 86 w.	14	Hannibal, Mo. f.	9	9	3	15	w.	12
Binghamton, N. Y. f.	7	5	7	14	n. 74 w.	7	St. Louis, Mo.	18	18	8	22	w.	14
New York, N. Y.	22	11	9	27	n. 59 w.	21	<i>Missouri Valley.</i>						
Harrisburg, Pa. f.	5	6	7	15	s. 83 w.	8	Columbia, Mo. *	12	7	4	11	n. 54 w.	9
Philadelphia, Pa.	23	12	11	26	n. 54 w.	19	Kansas City, Mo.	24	17	8	22	n. 68 w.	16
Atlantic City, N. J.	18	11	8	28	n. 71 w.	21	Springfield, Mo.	31	18	12	15	n. 27 w.	7
Cape May, N. J.	24	13	6	22	n. 56 w.	19	Lincoln, Nebr.	30	15	5	15	n. 34 w.	18
Baltimore, Md.	23	13	8	25	n. 60 w.	20	Omaha, Nebr.	30	12	4	26	n. 51 w.	28
Washington, D. C.	26	11	10	19	n. 31 w.	18	Sioux City, Iowa.	18	9	1	14	n. 73 w.	14
Lynchburg, Va.	18	15	15	23	n. 69 w.	2	Pierre, S. Dak.	20	11	7	34	n. 73 w.	28
Norfolk, Va.	20	20	13	11	e.	2	Huron, S. Dak.	19	14	8	31	n. 78 w.	24
Richmond, Va.	21	22	7	15	s. 88 w.	3	Yankton, S. Dak. f.	8	5	2	21	n. 81 w.	19
<i>South Atlantic States.</i>							<i>Northern Slope.</i>						
Charlotte, N. C.	21	19	16	17	n. 27 w.	2	Havre, Mont.	18	17	12	30	s. 77 w.	18
Hatteras, N. C.	25	8	7	22	n. 42 w.	23	Miles City, Mont.	16	15	4	28	n. 86 w.	14
Raleigh, N. C.	23	16	11	24	n. 65 w.	14	Helena, Mont.	16	18	1	36	s. 57 w.	28
Wilmington, N. C.	20	15	10	21	n. 66 w.	13	Rapid City, S. Dak.	23	5	11	26	n. 33 w.	24
Charleston, S. C.	17	17	11	25	w.	14	Cheyenne, Wyo.	30	7	2	27	n. 47 w.	9
Augusta, Ga.							Lander, Wyo.	18	17	14	23	n. 84 w.	9
Savannah, Ga.	19	17	14	21	n. 74 w.	7	North Platte, Nebr.	28	10	11	23	n. 84 w.	23
Jacksonville, Fla.	16	19	15	23	s. 69 w.	8	<i>Middle Slope.</i>						
<i>Florida Peninsula.</i>							Denver, Colo.	17	21	18	12	s. 56 e.	7
Jupiter, Fla.	12	23	15	16	s. 5 w.	11	Pueblo, Colo.	20	12	18	19	s. 7 w.	8
Key West, Fla.	18	13	32	8	n. 78 w.	24	Concordia, Kans.	19	21	10	19	s. 77 w.	9
Tampa, Fla.	21	18	13	18	n. 59 w.	6	Dodge, Kans.	30	10	14	17	n. 9 w.	20
<i>Eastern Gulf States.</i>							Wichita, Kans.	32	13	9	11	n. 6 w.	19
Atlanta, Ga.	21	15	13	24	n. 61 w.	12	Oklahoma, Okla.	27	16	9	12	n. 15 w.	11
Pensacola, Fla.	27	15	16	13	n. 14 e.	12	<i>Southern Slope.</i>						
Mobile, Ala.	28	17	9	8	n. 5 e.	11	Abilene, Tex.	23	20	15	13	n. 34 e.	4
Montgomery, Ala.	20	14	15	21	n. 45 w.	8	Amarillo, Tex.	24	16	16	11	n. 32 e.	9
Meridian, Miss. f.	12	5	10	8	n. 16 e.	7	<i>Southern Plateau.</i>						
Vicksburg, Miss.	23	20	17	7	n. 73 e.	10	El Paso, Tex.	17	5	11	35	n. 68 w.	27
New Orleans, La.	26	15	16	10	n. 20 e.	12	Santa Fe, N. Mex.	29	14	14	16	s. 8 w.	15
<i>Western Gulf States.</i>							Flagstaff, Ariz.	11	15	8	24	s. 76 w.	16
Shreveport, La.	23	16	20	12	n. 49 e.	11	Phoenix, Ariz.	13	9	18	24	n. 56 w.	7
Fort Smith, Ark.	19	4	20	17	n. 11 e.	15	Yuma, Ariz.	27	9	14	17	n. 9 w.	18
Little Rock, Ark.	17	18	13	19	s. 80 w.	6	Independence, Cal.	31	10	7	19	n. 30 w.	24
Corpus Christi, Tex.	29	12	21	5	n. 43 w.	23	<i>Middle Plateau.</i>						
Fort Worth, Tex. f.	11	10	5	9	n. 76 w.	4	Carson City, Nev.	23	15	12	21	n. 48 w.	12
Galveston, Tex.	23	13	25	11	n. 57 e.	17	Winnebago, Nev.	11	14	4	22	s. 41 w.	18
Palestine, Tex.	27	19	11	12	n. 7 w.	8	Salt Lake City, Utah.	5	15	13	17	s. 27 w.	11
San Antonio, Tex.	31	13	17	5	n. 34 e.	22	Grand Junction, Colo.	25	8	14	23	n. 25 w.	19
<i>Ohio Valley and Tennessee.</i>							<i>Northern Plateau.</i>						
Chattanooga, Tenn.	19	17	8	23	n. 82 w.	15	Baker City, Oreg.	17	28	16	20	s. 20 w.	12
Knoxville, Tenn.	23	16	13	18	n. 3 w.	9	Boise, Idaho.	20	10	3	29	n. 62 w.	22
Memphis, Tenn.	25	19	14	13	n. 9 e.	6	Idaho Falls, Idaho.	24	26	3	11	s. 76 w.	8
Nashville, Tenn.	22	16	6	22	n. 69 w.	17	Spokane, Wash.	14	24	13	17	s. 27 w.	11
Lexington, Ky. f.	6	11	6	11	n. 45 w.	7	Walla Walla, Wash.	5	39	1	16	s. 24 w.	37
Louisville, Ky.	13	21	11	20	n. 48 w.	12	<i>North Pacific Coast Region.</i>						
Evansville, Ind. f.	8	11	2	10	n. 69 w.	8	Fort Canby, Wash.	6	20	21	17	s. 16 e.	15
Indianapolis, Ind.	16	25	8	20	n. 58 w.	15	Neah, Wash.	1	6	24	29	n. 45 w.	7
Cincinnati, Ohio.	17	20	12	20	n. 69 w.	8	Port Crescent, Wash. *	0	2	8	18	s. 79 w.	10
Columbus, Ohio.	13	20	8	25	n. 68 w.	18	Seattle, Wash.	12	34	16	6	s. 24 e.	24
Pittsburg, Pa.	23	14	10	21	n. 54 w.	14	Tacoma, Wash.	8	33	7	25	s. 36 w.	31
Parkerburg, W. Va.	15	19	9	21	n. 72 w.	13	Portland, Oreg.	8	30	15	16	s. 3 w.	22
Elkins, W. Va.	15	19	7	27	n. 79 w.	20	Roseburg, Oreg.	17	14	14	22	n. 69 w.	8
<i>Lower Lake Region.</i>							<i>Middle Pacific Coast Region.</i>						
Buffalo, N. Y.	14	18	7	33	s. 82 w.	27	Eureka, Cal.	27	15	12	24	n. 45 w.	17
Oswego, N. Y.	13	28	13	17	s. 15 w.	16	Mount Tamalpais, Cal.	28	1	0	33	n. 41 w.	50
Rochester, N. Y.	10	19	6	35	s. 73 w.	30	Red Bluff, Cal.	32	10	8	18	n. 13 w.	23
Erie, Pa.	13	16	10	28	s. 81 w.	18	Sacramento, Cal.	26	18	12	17	n. 32 w.	9
Cleveland, Ohio.	16	26	11	17	s. 31 w.	13	San Francisco, Cal.	11	13	4	38	s. 57 w.	34
Sandusky, Ohio.	14	19	10	27	s. 74 w.	18	<i>South Pacific Coast Region.</i>						
Toledo, Ohio.	18	19	3	26	s. 71 w.	18	Fresno, Cal.	31	2	11	26	n. 28 w.	33
Detroit, Mich.	14	20	7	32	s. 77 w.	16	Los Angeles, Cal.	10	18	3	37	s. 77 w.	35
<i>Upper Lakes Region.</i>							San Diego, Cal.	26	8	10	29	n. 47 w.	26
Alpena, Mich.	14	13	5	33	n. 88 w.	23	San Luis Obispo, Cal.	34	3	4	18	n. 24 w.	34
Escanaba, Mich.	19	18	5	25	n. 87 w.	20	<i>West Indies.</i>						
Grand Haven, Mich.	14	17	15	21	s. 63 w.	7	Basseterre, St. Kitts Island	17	1	49	0	n. 72 e.	52
Marquette, Mich.	17	12	5	34	n. 80 w.	23	Bridgetown, Barbados	12	3	50	0	n. 80 e.	51
Port Huron, Mich.	15	20	7	24	s. 73 w.	18	Colon, U. S. C.	41	4	22	9	n. 19 e.	39
Sault Ste. Marie, Mich.	11	15	16	25	s. 66 w.	10	Havana, Cuba.	14	24	25	6	s. 62 e.	22
Chicago, Ill.	16	17	4	27	s. 88 w.	23	Kingston, Jamaica.	36	3	29	3	n. 39 e.	42
Milwaukee, Wis.	19	14	3	35	n. 81 w.	32	Port of Spain, Trinidad.	11	10	42	2	n. 88 e.	40
Green Bay, Wis.	6	25	7	30	s. 50 w.	30	San Juan, Porto Rico.	0	23	34	1	s. 55 e.	40
Duluth, Minn.	16	16	5	37	w.	33	Santiago de Cuba, Cuba.	25	19	19	7	n. 63 e.	18
<i>North Dakota.</i>							Santo Domingo, Santo Domingo.	39	6	14	3	n. 18 e.	35
Moorhead, Minn.	20	15	7	32	n. 79 w.	26	Willemstad, Curaçao.	4	1	55	0	n. 88 e.	55
Bismarck, N. Dak.	20	6	5	34	n. 52 w.	27							
Williston, N. Dak.	23	8	3	35	n. 65 w.	35							

* From observations at 8 p. m. only.

† From observations at 8 a. m. only.

TABLE VII.—*Thunderstorms and auroras, February, 1899.*

TABLE VIII.—Average hourly sunshine (in percentages), February, 1899.

Stations.	Instrument	Percentages for each hour of local mean time ending with the respective hour.																Hours of sunshine.		
		A. M.								P. M.								Total.		Personal estimate.
		5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	Actual.	Possible.	
Albany, N. Y.	T.	38	29	38	55	66	71	75	76	70	48	30	15	.....	.....	.....	.....	158.5	205.4	54
Atlanta, Ga.	T.	35	29	36	46	54	57	60	58	54	43	39	41	.....	.....	.....	.....	148.7	307.1	41
Atlantic City, N. J.	T.	53	49	46	50	46	46	47	46	51	44	55	50	50	47	47	.....	148.7	300.8	40
Baltimore, Md.	T.	43	43	50	70	77	86	83	80	69	51	44	47	50	50	50	50	204.5	300.8	45
Binghamton, N. Y.	T.	24	23	34	50	61	67	66	60	55	40	33	17	.....	.....	.....	.....	187.2	296.5	46
Bismarck, N. Dak.	P.	62	74	75	66	68	61	55	61	61	49	26	29	.....	.....	.....	.....	167.9	288.7	58
Boise, Idaho	T.	38	42	42	48	49	41	40	39	44	44	44	44	44	44	44	44	124.5	288.8	42
Boston, Mass.	T.	52	58	50	53	54	58	64	60	59	58	45	39	20	20	20	20	159.6	296.5	54
Buffalo, N. Y.	T.	23	11	24	41	53	55	65	56	48	44	26	26	20	20	20	20	121.2	295.4	41
Charleston, S. C.	T.	23	25	35	39	45	48	49	63	47	39	31	35	35	35	35	35	135.5	308.3	41
Chattanooga, Tenn.	T.	19	22	32	45	46	47	47	50	48	49	39	26	.....	.....	.....	.....	122.1	305.8	40
Cheyenne, Wyo.	P.	35	53	62	65	63	63	63	65	57	42	9	.....	.....	.....	.....	178.5	298.4	60	
Chicago, Ill.	T.	21	15	19	38	52	64	59	55	49	38	33	37	.....	.....	.....	.....	123.4	296.5	42
Cincinnati, Ohio	T.	38	40	40	41	46	53	53	48	48	44	36	39	39	39	39	39	133.6	300.8	44
Cleveland, Ohio	T.	3	18	18	20	21	18	22	20	15	14	11	12	12	12	12	12	51.2	296.5	31
Columbia, Mo.	T.	45	65	67	75	75	79	75	74	72	70	62	56	51	.....	.....	.....	204.9	300.8	68
Columbus, Ohio	T.	26	29	32	38	55	58	58	58	50	45	42	57	51	51	51	51	138.1	299.7	42
Denver, Colo.	P.	63	64	75	81	92	96	90	90	85	65	49	28	28	28	28	28	235.0	299.7	75
Des Moines, Iowa	T.	21	37	45	62	63	63	71	64	59	59	50	41	41	41	41	41	186.2	296.5	68
Detroit, Mich.	T.	0	6	15	35	45	61	55	55	48	35	22	19	19	19	19	19	109.1	296.5	37
Dodge, Kans.	P.	67	63	68	82	84	82	79	76	76	60	54	.....	.....	.....	.....	230.8	302.3	73	
Dubuque, Iowa	T.	24	39	43	62	70	77	77	72	72	59	46	38	38	38	38	38	180.6	296.5	61
Eastport, Me.	P.	48	36	52	57	62	66	65	62	57	47	31	31	31	31	31	31	156.0	291.9	53
Erie, Pa.	T.	31	17	15	35	46	57	59	54	47	34	32	32	32	32	32	32	118.8	296.5	40
Escanaba, Mich.	T.	11	15	19	39	51	53	57	60	59	54	45	40	40	40	40	40	133.1	290.4	47
Eureka, Cal.	P.	9	15	20	43	52	52	44	50	46	41	41	40	40	40	40	40	123.2	298.4	41
Fresno, Cal.	T.	84	82	47	26	100	100	100	100	100	100	100	100	100	100	100	100	284.5	308.3	94
Galveston, Tex.	P.	69	30	32	35	40	37	41	42	43	44	16	.....	.....	.....	.....	115.3	313.1	37	
Grand Junction, Colo.	P.	64	52	56	80	83	75	75	68	65	62	43	54	54	54	54	54	196.2	300.8	65
Harrisburg, Pa.	T.	42	38	42	48	51	57	64	60	49	36	39	37	37	37	37	37	143.4	299.7	48
Helena, Mont.	T.	25	30	35	44	42	29	36	38	44	40	36	38	38	38	38	38	107.8	288.7	37
Huron, S. Dak.	T.	33	49	55	76	83	89	96	91	83	73	48	53	53	53	53	53	216.9	298.8	74
Idaho Falls, Idaho	T.	0	10	11	24	35	47	46	41	41	29	18	6	6	6	6	6	74.9	295.4	21
Indianapolis, Ind.	T.	24	39	47	51	60	66	64	57	50	45	40	39	39	39	39	39	152.5	299.7	51
Jacksonville, Fla.	T.	48	42	46	60	64	65	65	65	64	61	55	36	36	36	36	36	177.4	312.1	57
Kansas City, Mo.	P.	53	55	56	55	64	63	54	61	56	56	55	60	60	60	60	60	172.5	300.8	57
Key West, Fla.	T.	44	48	67	75	77	82	81	80	75	75	65	41	30	30	30	30	220.4	317.0	70
Knoxville, Tenn.	T.	29	39	35	42	48	50	51	51	51	52	44	43	43	43	43	43	137.0	305.0	45
Lexington, Ky.	T.	23	34	36	46	51	54	57	56	54	52	52	52	52	52	52	52	139.7	302.8	46
Little Rock, Ark.	T.	62	43	49	48	48	53	71	71	68	68	51	51	51	51	51	51	168.4	305.8	55
Los Angeles, Cal.	P.	57	69	78	84	94	87	91	93	92	92	92	87	87	87	87	87	259.7	307.1	86
Louisville, Ky.	T.	87	39	45	47	49	50	49	48	44	35	40	44	44	44	44	44	134.2	302.3	44
Meridian, Miss.	T.	39	35	39	45	55	52	51	51	46	41	35	35	35	35	35	35	137.5	309.8	44
Minneapolis, Minn.	T.	95	42	43	46	50	59	59	62	61	56	44	37	37	37	37	37	148.6	291.9	51
Mount Tamalpais, Cal.	P.	73	35	38	90	90	85	88	90	91	93	81	81	81	81	81	81	263.8	302.3	87
Nashville, Tenn.	T.	19	21	30	39	41	45	48	45	50	45	31	31	31	31	31	31	117.5	305.0	36
New Orleans, La.	T.	26	21	22	25	32	37	39	38	31	30	26	27	27	27	27	27	94.1	312.1	31
New York, N. Y.	T.	35	32	43	50	63	61	60	58	59	52	40	35	35	35	35	35	150.3	298.4	50
Northfield, Vt.	P.	42	33	42	46	53	54	49	54	54	48	40	39	39	39	39	39	129.9	293.8	44
Oklahoma, Okla.	T.	62	49	59	65	71	71	74	72	71	66	54	60	60	60	60	60	108.1	305.8	65
Omaha, Nebr.	P.	58	53	58	65	77	76	79	75	75	65	50	50	50	50	50	50	195.4	298.4	65
Parkersburg, W. Va.	T.	29	25	28	40	52	57	56	49	49	45	40	35	35	35	35	35	128.2	308.8	41
Phoenix, Ariz.	P.	92	80	89	92	93	90	90	87	93	90	87	80	80	80	80	80	239.2	308.3	69
Philadelphia, Pa.	T.	42	42	44	45	49	52	52	57	53	53	52	51	51	51	51	51	151.3	299.7	50
Pittsburg, Pa.	T.	12	4	4	15	27	28	28	20	12	8	4	4	4	4	4	4	42.6	298.4	14
Portland, Me.	T.	58	42	52	52	61	68	68	73	69	68	50	44	31	31	31	31	172.3	298.8	59
Portland, Oreg.	T.	0	3	8	20	34	27	28	28	32	32	27	27	27	27	27	27	63.5	294.4	27
Raleigh, N. C.	T.	29	32	33	46	49	56	61	58	58	52	45	36	36	36	36	36	137.5	305.0	45
Rochester, N. Y.	T.	42	39	33	27	35	44	45	42	43	34	24	19	18	18	18	18	90.8	295.4	31
St. Louis, Mo.	T.	21	36	52	72	76	74	72	69	70	67	54	48	48	48	48	48	188.5	300.8	63
St. Paul, Minn.	P.	43	50	54	66	74	68	68	62	61	53	55	47	47	47	47	47	176.1	291.0	60
Salt Lake City, Utah	P.	26	22	25	38	45	46	48	48	48	48	46	46	46	46	46	46	107.9	298.4	36
San Diego, Cal.	T.	47	54	63	79	79	88	88	88	88	88	84	79	78	78	78	78	241.0	308.8	75
San Francisco, Cal.	T.	30	32	49	68	79	86	94	95	93	92	86	82	82	82	82	82	215.7	303.8	71
Santa Fe, N. Mex.	P.	69	68	77	87	91	85	82	85	85	82	76	69	61	61	61	61	240.5	305.0	69
Savannah, Ga.	T.	34	33	39	51	54	65	65	68	68										

TABLE IX.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during February, 1899, at all stations furnished with self-registering gauges.

* Record incomplete on account of snow or other causes.

TABLE X.—*Excessive precipitation, by stations, for February, 1899.*

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Day.
		Amt.	Day.	Amt.	Time.	
<i>Alabama.</i>						
Bridgeport		2.80	3			
Canton		6.20	26			
Hamilton		2.63	3			
Do.		2.60	24-25			
Marion		7.00	24-25			
Montgomery				1.30	0 45	26
Newbern		3.90	26			
Newton		3.35	5			
Pushmataha		4.65	26			
Uniontown		5.60	25-26			
<i>Alaska.</i>						
Sitka	10.88					
<i>Arkansas.</i>						
Jonesboro		3.00	25			
New Gascony		2.53	25			
Osceola		2.53	25			
<i>California.</i>						
Crescent City	10.95	7.10	26			
Eureka		3.17	27-28			
<i>Florida.</i>						
Brooksville		4.99	22-23			
DeFuniak Springs		3.15	26			
Earnestville		2.50	18			
Do.		4.35	22-23			
Eustis		3.97	22-23			
Jupiter				1.72	1 00	27
Kissimmee	11.53	4.75	22			
Myers		6.05	15			
New Smyrna		2.50	12			
Do.		3.20	23			
Orange City		3.47	22			
Plant City		4.05	23			
St. Francis		4.70	23			
St. Francis Barracks		4.55	3			
Tampa				1.00	1 00	15
Tarpon Springs	5.43	22				
<i>Georgia.</i>						
Americus		2.70	27			
Athens		2.50	26			
Atlanta		2.78	26			
Augusta	10.54	3.33	6-7			
Blakely		2.52	26			
Clayton	10.10	3.40	26			
Columbus		3.00	6-7			
Covington		2.60	26			
Dahlonega		2.53	26			
Diamond	10.32	2.51	6			
Dublin		3.24	26-27			
Elberton		2.98	26-27			
Gainesville		2.70	27			
Gillsville		2.59	26			
Greenbush		3.27	8-4			
Jesup		3.50	13			
Marletta		3.70	26			
Mauzy		2.78	2	1.47	0 30	2
Point Peter		3.00	26			
Ramsey		2.55	4			
Tallapoosa		2.85	26			
<i>Louisiana.</i>						
Lawrence		2.60	20			
Shellbeach		2.65	14			
<i>Maryland.</i>						
Charlotte Hall		8.00	12-13			
<i>Mississippi.</i>						
Vicksburg				1.08	0 30	25
Water Valley				1.36	0 10	25
Windham		2.93	26			
<i>North Carolina.</i>						
Fayetteville	10.10					
Flatrock	10.88	3.16	26			
Greensboro		2.52	4			
Hatteras		3.81	27	2.75	2 35	27
Hendersonville		3.10	26			
Horse Cove	18.10	3.15	3			
Do.		2.74	6			
Do.		4.00	25-26			
Marion	10.05	3.19	26			

TABLE X.—*Excessive precipitation—Continued.*

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Day.
		Amt.	Day.	Amt.	Time.	
<i>North Carolina—Continued.</i>						
Mount Pleasant				3.94	6	
Murphy		10.34		8.05	8-4	
Pantego		10.65				
Rockingham				2.95	7	
Sloan				3.88	26-27	
Waynesville				3.55	4	
<i>Oregon.</i>						
Astoria		12.52				
Bandon				3.30	28	
Bay City		16.89		8.53	7-8	
Cascade Locks		18.98		2.66	28	
Comstock				2.75	28	
Coquille River				2.64	28	
Fairview		10.66				
Falls City		11.19		4.05	28	
Gardiner		11.74		3.80	28	
Glenora		19.19		3.00	8	
Do.				2.72	27	
Government Camp		23.23		2.90	8	
Do.				2.71	25	
Kerby				3.80	28	
Langlois				5.63	28	
Merlin				5.40	28	
Monroe				2.68	28	
Nehalem		20.79		7.90	7-8	
Newport		12.58		4.00	8	
Placer				5.27	27-28	
Roseburg				4.15	28	
Toledo		14.80		4.00	8	
Do.				2.60	28	
Williams				3.26	28	
Winona				3.33	28	
<i>Pennsylvania.</i>						
Coatesville		10.23		3.53	13	
<i>South Carolina.</i>						
Batesburg		11.28		4.00	15-16	
Cheraw		10.54		2.70	26-27	
Greenwood				8.00	26-27	
Holland				3.50	26	
Longshore				2.71	26-27	
Mount Carmel				2.63	26-27	
Society Hill		10.21		3.20	26	
Trenton		10.30		2.80	6	
Do.				2.98	26-27	
Winnsboro				3.00	26	
Yemassee				2.60	15-16	
<i>Tennessee.</i>						
Charleston				3.53	8-4	
Harriman				2.70	26	
Hohenwald				3.52	26	
Lafayette				2.75	26	
Lynnville				2.75	26	
McMinnville				2.76	26	
Madison				2.70	26	
Oakhill		14.15		5.65	8-4	
Do.				5.99	26	
Sewanee				3.55	26	
Tracy City				3.08	26	
<i>Washington.</i>						
Aberdeen		12.45				
Ashford		11.04				
Cedar Lake		19.04				
Clearwater		20.99		3.90	14	
Do.				2.75	17	
Fort Canby		11.83		3.21	7-8	
Monte Cristo		15.07				
Neal		16.22		3.08	18-14	
Do.				3.03	16-17	
Northbend		11.00				
Southbend		12.88				
Tunnel		23.80		2.70	19	
Do.				14.70	25-28	
<i>West Indies.</i>						
Colon						1.72
Do.						0 50
						11
						16

TABLE XI.—Data furnished by the Canadian Meteorological Service, February, 1899.

Stations.	Pressure.			Temperature.			Precipitation.			Stations.	Pressure.			Temperature.			Precipitation.				
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Total.	Departure from normal.	Depth of snow.		Mean.	Departure from normal.	Mean.	Mean maximum.	Total.	Departure from normal.	Depth of snow.				
	In.	In.	In.	°	°	°	In.	In.	In.		In.	In.	In.	Mean min.	Mean min.	In.	In.	In.			
St. Johns, N. F.....	29.45	29.55	- .84	17.1	- 4.9	24.0	10.2	3.80	.....	24.0	Saugeen, Ont.....	29.26	30.03	- .08	15.8	- 4.1	23.9	7.6	2.65	+ .31	18.6
Sydney, C. B. I.....	29.74	29.78	- .17	16.7	- 2.6	24.6	8.9	2.88	- 1.37	16.0	Parry Sound, Ont....	29.25	30.00	- .07	11.0	- 3.3	23.9	- 1.9	2.76	+ .36	23.0
Halifax, N. S.....	29.75	29.89	- .09	22.8	+ 0.4	30.3	15.4	3.61	.....	22.8	Port Arthur, Ont....	29.23	30.00	- .09	1.4	- 5.0	12.1	- 9.4	0.57	- .76	5.7
Grand Manan, N. B.....	29.88	29.88	- .10	22.5	+ 0.9	29.5	16.4	3.45	- 0.11	19.5	Winnipeg, Man.....	29.17	30.09	- .08	- 6.9	- 5.3	3.7	- 17.4	0.84	- .33	8.4
Yarmouth, N. S.....	29.81	29.89	- .15	24.0	- 1.8	30.1	17.9	3.40	- 2.42	25.8	Minnedosa, Man.....	29.11	30.13	- .03	- 8.8	- 6.1	1.4	- 19.1	0.85	- .63	8.3
Charlottet'n, P. E. I.....	29.76	29.80	- .12	16.2	- 1.4	23.8	9.0	3.20	- 0.41	22.6	Qu'Appelle, Assin....	27.84	30.14	- .01	- 7.7	- 7.1	0.8	- 16.1	0.21	- .46	2.1
Chatham, N. B.....	29.81	29.83	- .15	12.5	0.0	23.6	2.3	1.89	- 0.43	37.1	Medicine Hat, Assin....	27.68	30.18	+ .03	- 2.0	- 9.0	12.4	- 7.8	1.13	+ .69	11.3
Father Point, Que.....	29.88	29.86	- .14	11.7	+ 0.2	19.8	3.6	1.71	+ 0.09	17.1	Swift Current, Assin....	27.39	30.21	+ .06	- 2.5	- 10.5	6.1	- 11.1	0.30	- .46	3.0
Quebec, Que.....	29.58	29.94	- .10	12.1	+ 0.8	19.1	5.1	8.35	- 0.04	24.9	Calgary, Alberta.....	26.31	30.12	+ .02	2.4	- 11.1	11.4	- 6.5	0.30	- .46	3.0
Montreal, Que.....	29.75	29.97	- .08	15.8	+ 1.3	21.9	9.7	1.63	- 1.19	9.1	Banff, Alberta.....	25.21	30.15	.....	6.8	- 17.7	4.2	0.30	.....	.....
Rockliffe, Ont.....	29.44	29.99	- .07	12.8	+ 1.3	21.8	5.1	0.74	- 1.58	7.2	Edmonton, Alberta.....	27.64	30.14	+ .03	2.8	- 5.5	12.2	- 6.5	0.21	- .25	1.4
Ottawa, Ont.....	29.65	29.99	.....	12.4	+ 0.7	31.3	8.5	0.87	.....	5.8	Prince Albert, Sask.....	28.39	30.06	.....	- 7.3	- 4.2	4.0	- 18.4	0.04	.....	0.4
Kingston, Ont.....	29.67	30.01	- .07	17.0	0.8	24.6	9.3	1.22	- 1.22	5.8	Battleford, Sask.....	28.27	30.20	.....	- 6.4	- 6.5	3.3	- 16.0	0.06	.....	0.2
Toronto, Ont.....	29.68	30.04	- .05	19.5	- 2.0	33.7	12.3	1.73	- 0.58	5.5	Kamloops, B. C.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White River, Ont.....	29.55	30.08	- .05	- 2.5	- 2.7	18.1	- 18.2	1.72	+ 0.50	17.2	Esquimalt, B. C.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley, Ont....	29.88	30.06	- .08	17.1	- 5.7	24.7	9.5	1.82	- 1.10	5.4	Hamilton, Bermuda.....	29.96	30.12	+ .04	64.2	+ 2.7	69.0	59.5	4.09

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